



Metacrylics®
energy efficient coatings

Acrylic Installation Spec Book

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Installation Spec Book Index

- EPDM (5-30 year systems) p. 3-7
- TPO (5-30 year systems) p. 8-12
- Smooth Surface BUR/Modified Capsheet (5-30 year systems) p. 13-17
- Tar & Gravel (15-30 year systems) p. 18-20
- Metal: Standing Seam, Corrugated, R-Panel (5-30 year systems) p. 21-25
- New Construction Plywood (15-30 year systems) p. 26-31
- Walking Deck—New Construction Plywood (10-20 year systems) p. 32-37
- Existing Walking Deck (5-20 year systems) p. 38-41
- Spray Polyurethane Foam (SPF) (5-30 year systems) p. 42-46
- Tile (5-10 year systems) p. 47-49
- Re-Coat Existing Metacrylics® Roof (5-30 year systems) p. 50-54
- Penetration Detail Instructionsp. 55-56

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Coating over EPDM Roof: 5-Year System

Materials Needed:

Product	Application Rate	Application Calculator
EPDM Rinse	0.2 gallons/SQ	0.2 x ____ SQs = ____ Gallons
Clear Acrylic Base	1 gallon/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	2 gallons/SQ	2 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean roof, removing any debris prior to application of EPDM Rinse.
2. Apply Metacrylics® EPDM Rinse over the EPDM @ 0.2 gallons/SQ and let sit for 20 minutes, then pressure wash to remove EPDM Rinse.
3. Thoroughly pressure wash roof.
4. All penetrations must be sealed with Metacrylics® Acrylic Gel or 3-coursed with Acrylic Gel and fabric. Field seams that are identified as bad or buckled should be 3-coursed with Acrylic Base and fabric.
5. Apply Metacrylics® Clear Acrylic Base @ 1 gallon/SQ to the entire roof. Allow 4-12 hours to cure.
6. Apply Metacrylics® Acrylic White @ 2 gallons/SQ over the Clear Acrylic Base. Allow at least 24 hours to cure.

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Coating over EPDM Roof: 10-Year System

Materials Needed:

Product	Application Rate	Application Calculator
EPDM Rinse	0.2 gallons/SQ	0.2 x ____ SQs = ____ Gallons
Clear Acrylic Base	1 gallon/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	3 gallons/SQ	3 x ____ SQs = ____ Gallons
9" Stitchbond Fabric & Clear Acrylic Base	As needed for all seams	
Acrylic Gel & Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics[®] rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean roof, removing any debris prior to application of EPDM Rinse.
2. Apply Metacrylics[®] EPDM Rinse over the EPDM @ 0.2 gallons/SQ and let sit for 20 minutes, then pressure wash to remove EPDM Rinse.
3. Thoroughly pressure wash roof.
4. Apply Metacrylics[®] Clear Acrylic Base @ 1 gallon/SQ to the entire roof, including parapet walls, flashings, and HVAC duct. Allow 4-12 hours to cure.
5. 3-course penetration detail (see Metacrylics[®] Penetration Detail Instructions)
6. Reinforce all bad seams with polyester fabric and Clear Base. Reinforce all waterways and ponding areas.
7. Apply Metacrylics[®] Acrylic White @ 3 gallons/SQ in two applications of 1.5 gallons/SQ each. Apply to parapet walls, flashings, and HVAC ducting. Allow 24-48 hours between applications.



Coating over EPDM Roof: 15-Year System

Materials Needed:

Product	Application Rate	Application Calculator
EPDM Rinse	0.2 gallons/SQ	0.2 x ____ SQs = ____ Gallons
Clear Acrylic Base	3 gallon/SQ	3 x ____ SQs = ____ Gallons
Acrylic White	3.5 gallons/SQ	3.5 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/1SQ	1 x ____ SQs = ____ SQs
Acrylic Gel & Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean roof, removing any debris prior to application of EPDM Rinse.
2. Apply Metacrylics® EPDM Rinse over the EPDM @ 0.2 gallons/SQ and let sit for 20 minutes, then pressure wash to remove EPDM Rinse.
3. Thoroughly pressure wash roof.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof, embedding Stitchbond Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Clear Base over fabric at the rate of 1 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24 hours to cure.
6. Apply Metacrylics® Acrylic White @ 3.5 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 1.75 gallons/SQ per coat.
7. Also Apply to parapet walls, flashing, and HVAC ducting. Allow 24-48 hours to cure between applications.



Coating over EPDM Roof: 20-Year System

Materials Needed:

Product	Application Rate	Application Calculator
EPDM Rinse	0.2 gallons/SQ	0.2 x ____ SQs = ____ Gallons
Clear Acrylic Base	4 gallon/SQ	4 x ____ SQs = ____ Gallons
Acrylic White	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/1SQ	1 x ____ SQs = ____ SQs
Acrylic Gel & Fabric	As needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean roof, removing any debris prior to application of EPDM Rinse.
2. Apply Metacrylics® EPDM Rinse over the EPDM @ 0.2 gallons/SQ and let sit for 20 minutes, then pressure wash to remove EPDM rinse.
3. Thoroughly pressure wash roof.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics® Acrylic Clear Base over fabric at the rate of 2 gallons/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
6. Apply Metacrylics® Acrylic White @ 4 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 2 gallons/SQ per coat. Also Apply to parapet walls, flashing, HVAC ducting and any other objects to be coated. Allow at least 24 hours to cure between applications.

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Coating over EPDM Roof: 30-Year System

Materials Needed:

Product	Application Rate	Application Calculator
EPDM Rinse	0.2 gallons/SQ	0.2 x ____ SQs = ____ Gallons
Clear Acrylic Base	6 gallon/SQ	6 x ____ SQs = ____ Gallons
Acrylic White	7 gallons/SQ	7 x ____ SQs = ____ Gallons
Stitchbond Fabric	2 SQ/1SQ	2 x ____ SQs = ____ SQs
Acrylic Gel & Fabric	As needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean roof, removing any debris prior to application of EPDM Rinse.
2. Apply Metacrylics® EPDM Rinse over the EPDM @ 0.2 gallons/SQ and let sit for 20 minutes, then pressure wash to remove EPDM rinse.
3. Thoroughly pressure wash roof.
4. 5-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply to entire roof 2 gallons/SQ Clear Acrylic Base and embed Stitchbond polyester fabric using a brush or broom. Immediately apply 2 gallons/SQ Clear Acrylic Base over the stitch-bond polyester fabric and embed the 2nd layer of stitch-bond polyester fabric into wet Clear Base using a brush or broom. Allow 48 hours cure time.
6. Apply Metacrylics® Acrylic Base at the rate of 2 gallons/SQ to encapsulate the exposed fabric.
7. Apply Metacrylics® Acrylic White @ 7 gallons/SQ over the Clear Acrylic Base in four applications @ 1.75 gallons/SQ per application. Also apply to parapet walls, flashing, and HVAC ducting. Allow at least 24 hours to cure between applications.



Coating over TPO or PVC Roof: 5-Year System

Materials Needed:

Product	Application Rate	Application Calculator
TPO Primer or Roof &	0.3 gallons/SQ	$0.3 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	2 gallons/SQ	$2 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® TPO Primer or Roof & Tile Primer @ 0.3 gallons/SQ to the entire roof. Allow 4-8 hours to cure.
3. All rooftop penetrations need to be sealed with Metacrylics Acrylic Gel or 3-coursed with Acrylic Base and fabric. Field seams that are identified as bad or buckled should be 3-coursed with Acrylic Gel and fabric
4. Apply Metacrylics® Acrylic White @ 2 gallons/SQ over the Clear Acrylic Base. Allow 24-48 hours to cure.

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Coating over TPO or PVC Roof: 10-Year System

Materials Needed:

Product	Application Rate	Application Calculator
TPO Primer or Roof &	0.3 gallons/SQ	$0.3 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	3 gallons/SQ	$3 \times \text{___ SQs} = \text{___ Gallons}$
9" Stitchbond Fabric & Clear Acrylic Base	As needed for all seams	
Acrylic Gel & Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics® for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® TPO Primer or Roof & Tile Primer @ 0.3 gallons/SQ to the entire roof, including parapet walls, flashings, and HVAC ducting. Allow 4-12 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions)
4. Reinforce all bad seams with polyester fabric and Acrylic White or Acrylic Gel. Reinforce all waterways and ponding areas.
5. Apply Metacrylics® Acrylic White @ 3 gallons/SQ in two applications of 1.5 gallons/SQ each. Apply to parapet walls, flashings, and HVAC ducting. Allow 24-48 hours between applications.



Coating over TPO or PVC Roof: 15-Year System

Materials Needed:

Product	Application Rate	Application Calculator
TPO Primer or Roof &	0.3 gallons/SQ	$0.3 \times \text{___ SQs} = \text{___ Gallons}$
Clear Acrylic Base	3 gallon/SQ	$3 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	3.5 gallons/SQ	$3.5 \times \text{___ SQs} = \text{___ Gallons}$
Stitchbond Fabric	1 SQ/1SQ	$1 \times \text{___ SQs} = \text{___ SQs}$
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

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General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® TPO Primer or Roof & Tile Primer @ 0.3 gallons/SQ to entire roof. Allow 4-12 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply to entire roof 2 gallons/SQ Clear Acrylic Base and embed Stitchbond polyester fabric using a brush or broom. Immediately, apply 1 gallon/SQ of Metacrylics® Acrylic Clear Base over the Stitchbond Polyester to saturate and encapsulate the fabric. Allow 24-48 hours curing time.
5. Apply 3.5 gallons/SQ Metacrylics® Acrylic White in two applications of 1.75 gallons/SQ each application. Allow 24-48 hours curing time between applications.

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Coating over TPO or PVC Roof: 20-Year System

Materials Needed:

Product	Application Rate	Application Calculator
TPO Primer or Roof &	0.3 gallons/SQ	$0.3 \times \text{___ SQs} = \text{___ Gallons}$
Clear Acrylic Base	4 gallon/SQ	$4 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	4 gallons/SQ	$4 \times \text{___ SQs} = \text{___ Gallons}$
Stitchbond Fabric	1 SQ/1SQ	$1 \times \text{___ SQs} = \text{___ SQs}$
Acrylic Gel & Fabric	As needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® TPO Primer or Roof & Tile Primer @ 0.3 gallons/SQ to entire roof. Allow 4-12 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics® Acrylic Clear Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
5. Apply Metacrylics® Acrylic White @ 4 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 2 gallons/SQ per coat. Also Apply to parapet walls, flashing, and HVAC ducting and any other objects to be coated. Allow at least 24 hours to cure between applications.

Coating over TPO or PVC Roof: 30-Year System

Materials Needed:

Product	Application Rate	Application Calculator
TPO Primer or Roof &	0.3 gallons/SQ	0.3 x ____ SQs = ____ Gallons
Clear Acrylic Base	6 gallon/SQ	6 x ____ SQs = ____ Gallons
Acrylic White	7 gallons/SQ	7 x ____ SQs = ____ Gallons
Stitchbond Fabric	2 SQ/1SQ	2 x ____ SQs = ____ SQs
Acrylic Gel & Fabric	As needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply TPO Primer or Roof & Tile Primer @ 0.3 gallons/SQ to entire roof. Allow 4-12 hours to cure.
3. 5-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply to entire roof 2 gallons/SQ Clear Acrylic Base and embed Stitchbond polyester fabric using a brush or broom. Immediately apply 2 gallons/SQ Clear Acrylic Base over the Stitchbond polyester fabric and embed the 2nd layer of fabric into wet Clear Base using a brush or broom. Allow 48 hours cure time.
5. Apply Metacrylics® Clear Acrylic Base at the rate of 2 gallons/SQ to encapsulate the exposed fabric.
6. Apply Metacrylics® Acrylic White @ 7 gallons/SQ over the Clear Acrylic Base in four applications @ 1.75 gallons/SQ each application. Also apply to parapet walls, flashing, and HVAC ducting. Allow at least 24 hours to cure between applications.



Coating over BUR/Modified Capsheet Roof: 5-Year System

Materials Needed:

Note: If there are no granules on the existing roof, Metacrylics® Bleed Blocker Primer must be used at the rate of 1 gallon/SQ

Product	Application Rate	Application Calculator
Clear Base	1 gallons/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	2 gallons/SQ	2 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. All penetrations must be sealed with Metacrylics® Acrylic Gel or 3-coursed with Acrylic Gel and fabric. Field seams that are identified as bad or buckled should be 3-coursed with Acrylic Base and fabric.
3. Apply Metacrylics® Clear Base @ 1 gallons/SQ to the entire roof. Allow 4-12 hours to cure.
4. Apply Metacrylics® Acrylic White @ 2 gallons/SQ over the Clear Acrylic Base. Allow 24-48 hours to cure.

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Coating over BUR/Modified Capsheet Roof: 10-Year System

Materials Needed:

Note: If there are no granules on the existing roof, Metacrylics® Bleed Blocker Primer must be used at the rate of 1 gallon/SQ

Product	Application Rate	Application Calculator
Clear Base or Roof & Tile Primer	1 gallons/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	3 gallons/SQ	3 x ____ SQs = ____ Gallons
6" Stitchbond Fabric & Clear Acrylic Base	As needed for all seams	
Acrylic Gel & Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics® for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Clear Base @ 1 gallons/SQ to the entire roof, including parapet walls, flashings, HVAC ducting and any other objects to be coated. Allow 4-12 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions)
4. Reinforce all bad seams with polyester fabric and Acrylic White or Acrylic Gel. Reinforce all waterways and ponding areas.
5. Apply Metacrylics® Acrylic White @ 3 gallons/SQ in two applications of 1.5 gallons/SQ each. Apply to parapet walls, flashings, and HVAC ducting. Allow 24-48 hours between applications.

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Coating over BUR/Modified Capsheet Roof: 15-Year System

Materials Needed:

Note: If there are no granules on the existing roof, Metacrylics® Bleed Blocker Primer must be used at the rate of 1 gallon/SQ

Product	Application Rate	Application Calculator
Clear Acrylic Base	3 gallon/SQ	3 x ____ SQs = ____ Gallons
Acrylic White	3.5 gallons/SQ	3.5 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/1SQ	1 x ____ SQs = ____ SQs

NOTE: 1 SQ = 100 sq. ft.

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General Application Guidelines

1. Thoroughly pressure wash roof.
2. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
3. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics® Acrylic Clear Base over fabric at the rate of 1 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
4. Apply Metacrylics® Acrylic White @ 3.5 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 1.75 gallons/SQ per coat. Also apply to parapet walls, flashing, and HVAC ducting and any other objects to be coated. Allow at least 24 hours to cure between applications.

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Coating over BUR/Modified Capsheet Roof: 20-Year System

Materials Needed:

Note: If there are no granules on the existing roof, Metacrylics® Bleed Blocker Primer must be used at the rate of 1 gallon/SQ

Product	Application Rate	Application Calculator
Clear Acrylic Base	4 gallon/SQ	4 x ____ SQs = ____ Gallons
Acrylic White	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/1SQ	1 x ____ SQs = ____ SQs
Acrylic Gel	As needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
3. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics® Acrylic Clear Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
4. Apply Metacrylics® Acrylic White @ 4 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 2 gallons/SQ per coat. Also apply to parapet walls, flashing, and HVAC ducting and any other objects to be coated. Allow at least 24 hours to cure between applications.

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Coating over BUR/Modified Capsheet Roof: 30-Year System

Materials Needed:

Note: If there are no granules on the existing roof, Metacrylics® Bleed Blocker Primer must be used at the rate of 1 gallon/SQ

Product	Application Rate	Application Calculator
Clear Acrylic Base	6 gallon/SQ	6 x ____ SQs = ____ Gallons
Acrylic White	7 gallons/SQ	7 x ____ SQs = ____ Gallons
Stitchbond Fabric	2 SQ/1SQ	2 x ____ SQs = ____ SQs
Acrylic Gel	As needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. 5-course penetration detail (see Metacrylics® Penetration Detail Instructions).
3. Apply to entire roof 2 gallons/SQ Clear Acrylic Base, embed Stitchbond polyester fabric using a brush or broom. Immediately apply 2 gallons/SQ Clear Acrylic Base over the stitchbond polyester fabric and embed the 2nd layer of fabric into wet Clear Base using a brush or broom. Allow 48 hours cure time.
4. Apply Metacrylics Clear Acrylic Base at the rate of 2 gallons/SQ to encapsulate the exposed fabric.
5. Apply Metacrylics® Acrylic White @ 7 gallons/SQ over the Clear Acrylic Base in four applications @ 1.75 gallons/SQ each application.. Also Apply to parapet walls, flashing, and HVAC ducting. Allow at least 24 hours to cure between applications.

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Coating over Tar & Gravel Roof: 15-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base or Black Primer	1.5 gallons/SQ	1.5 x ____ SQs = ____ Gallons
Gray Base	5 gallons/SQ	5 x ____ SQs = ____ Gallons
Acrylic White	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/1SQ	1 x ____ SQs = ____ SQs
Acrylic Gel & Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Spud or tear off gravel roof, ensuring all loose gravel is removed.
2. Thoroughly clean roof of all debris and dust and pressure wash.
3. Apply Metacrylics® Clear Base or Black Primer @ 1.5 gallons/SQ to entire roof. NOTE: if the old roof has been completely removed, less primer will be needed.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Acrylic Gray Base @ 3 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics® Acrylic Gray Base over fabric at the rate of 2 gallons/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure. Note: Do not pull fabric tight and cause fabric to tent over bumpy surface. The fabric should mold and form into uneven surface without air gaps and creases in fabric.
6. Apply Metacrylics® Acrylic White @ 3 gallons/SQ to entire roof in two applications of 1.5 gallons/SQ. Allow 24-48 hours to cure between applications.

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Coating over Tar & Gravel Roof: 20-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base or Black Primer	1.5 gallons/SQ	1.5 x ____ SQs = ____ Gallons
Gray Base	5 gallons/SQ	5 x ____ SQs = ____ Gallons
Acrylic White	5 gallons/SQ	5 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/1SQ	1 x ____ SQs = ____ SQs

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Spud or tear off gravel roof, ensuring all loose gravel is removed.
2. Thoroughly clean roof of all debris and dust and pressure wash.
3. Apply Metacrylics® Clear Base or Black Primer @ 1.5 gallons/SQ to entire roof. NOTE: if the old roof has been completely removed, less primer will be needed.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Acrylic Gray Base @ 3 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics® Acrylic Gray Base over fabric at the rate of 2 gallons/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure. Note: Do not pull fabric tight and cause fabric to tent over bumpy surface. The fabric should mold and form into uneven surface without air gaps and creases in fabric.
6. Apply Metacrylics® Acrylic White @ 5 gallons/SQ to entire roof in three applications at the rate of 1.66 gallons/SQ. Allow 24-48 hours to cure between applications.

Coating over Tar & Gravel Roof: 30-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base or Black Primer	1.5 gallons/SQ	1.5 x ____ SQs = ____ Gallons
Gray Base	7.5 gallons/SQ	7.5 x ____ SQs = ____ Gallons
Acrylic White	8 gallons/SQ	8 x ____ SQs = ____ Gallons
Stitchbond Fabric	2 SQ/1SQ	2 x ____ SQs = ____ SQs

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Spud or tear off gravel roof, ensuring all loose gravel is removed. Thoroughly clean roof of all debris and dust and pressure wash.
2. Apply Metacrylics® Clear Base or Black Primer @ 1.5 gallons/SQ to entire roof. NOTE: if the old roof has been completely removed, less primer will be needed.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic Gray Base @ 3 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics® Acrylic Gray Base over fabric at the rate of 2 gallons/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure. Note: Do not pull fabric tight and cause fabric to tent over bumpy surface. The fabric should mold and form into uneven surface without air gaps and creases in fabric.
5. Apply Metacrylics® Acrylic Gray Base @ 2 gallons/SQ to the entire roof, embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics® Acrylic Gray Base over fabric at the rate of .5 gallons/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure. See note in step 4.
6. Apply Metacrylics® Acrylic White @ 8 gallons/SQ over the Acrylic Base in four applications @ 2 gallons/SQ each application.. Also Apply to parapet walls, flashing, and HVAC ducting. Allow at least 24 hours to cure between applications.



Coating over Metal Roof: 5-Year System

Corrugated, Standing Seam, & R-Panel

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base or Black Primer	1 gallons/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	1.5 gallons/SQ	1.5 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	

For ribs, multiply sqf. By 1.3

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Wire brush and remove any flaking rust
2. Inspect roof for open joints, laps, holes etc. and repair flaws so water does not enter the building. Use Metacrylics Acrylic Gel and Polyester fabric as 3-course method to reinforce, seal, or repair needed areas.
3. Thoroughly pressure wash roof.
4. Tighten or replace all exposed fasteners where needed. Add additional fasteners to tighten loose panels to restore original design intent. Apply Metacrylics® Acrylic Gel over fasteners to encapsulate and seal fastener.
5. Seal around penetrations, drains and such with Metacrylics® Acrylic Gel
6. Seams: Apply foot pressure to under lapping panel next to joint. If joint opens more than 1/16-inch, add fasteners to tighten the opening. 3-Course all bad or buckled field seams with alternating layers of Metacrylics® Acrylic Base & polyester fabric. Otherwise, fill all seams with Metacrylics® Acrylic Gel.
7. Apply Metacrylics® Clear Base @ 1 gallons/SQ to the entire roof. Allow 4-12 hours to cure. If the metal has rust, use rust-inhibiting Metacrylics® Black Primer and apply at the same rate.
8. Apply Metacrylics® Acrylic White @ 1.5 gallons/SQ over the Clear Acrylic Base and/or Black Primer. Allow 24-48 hours to cure.



Coating over Metal Roof: 10-Year System

Corrugated, Standing Seam, & R-Panel

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base or Black Primer	1 gallons/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	2 gallons/SQ	2 x ____ SQs = ____ Gallons
Gel & Fabric		As Needed
Peel & Coat		As Needed

For ribs, multiply sqf. By 1.3

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics® for full system specifications.

General Application Guidelines

1. Wire brush and remove any flaking rust.
2. Inspect roof for open joints, laps, holes etc. and repair flaws so water does not enter the building. Use Metacrylics Acrylic Gel and Polyester fabric as 3-course method to reinforce and seal/repair needed areas.
3. Thoroughly pressure wash roof, especially oxidized areas.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions)
5. Tighten loose screws or and replace missing screws.
6. Seams: Apply foot pressure to under lapping panel next to joint. If joint opens more than 1/16-inch, add fasteners to tighten the opening. 3-course all field seams and end-laps with alternating layers of Metacrylics Acrylic Gel and polyester fabric.
7. Ridge Caps: Replace missing ridge cap gaskets as needed; 3-course ridge cap closure cavity with alternating layers of Metacrylics Acrylic Gel and polyester fabric
8. Apply Metacrylics Gel around exposed screws/fasteners or 3-course over screws/fasteners with Metacrylics Gel and fabric
9. Apply Metacrylics® Clear Base (or Black Primer if the metal has rust) @ 1 gallons/SQ to the entire roof, including parapet walls, flashings, and HVAC ducting. Allow 4-12 hours to cure.
10. Apply Metacrylics® Acrylic White @ 2 gallons/SQ. Apply to parapet walls, flashings, and ductwork. Allow 24-48 hours between applications.

Coating over Metal Roof: 15-Year System

Corrugated, Standing Seam, & R-Panel

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base or Black Primer	1 gallons/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Gel & Fabric	As Needed	
Peel & Coat	As Needed	

For ribs, multiply sqf. By 1.3

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics[®] rep or contact Metacrylics[®] for full system specifications.

General Application Guidelines

1. Wire brush and remove any flaking rust.
2. Inspect roof for open joints, laps, holes etc. and repair flaws so water does not enter the building. Use Metacrylics Acrylic Gel and Polyester fabric as 3-course method to reinforce, seal, or repair needed areas. Thoroughly pressure wash roof, especially oxidized areas.
3. 3-course penetration detail (see Metacrylics[®] Penetration Detail Instructions)
4. Tighten or replace all exposed fasteners where needed. Add additional fasteners to tighten loose panels to restore original design intent. Apply Metacrylics Acrylic Gel over fasteners to encapsulate and seal fastener. Replace missing ridge cap gaskets as needed; 3-course ridge cap closure cavity with alternating layers of Metacrylics Acrylic Gel and polyester fabric.
5. Seams: Apply foot pressure to under lapping panel next to joint. If joint opens more than 1/16-inch, add fasteners to tighten the opening. 3-course all horizontal field seams and end-laps with alternating layers of Metacrylics Acrylic Gel and polyester fabric.
6. Apply Metacrylics[®] Clear Base (or Black Primer if the metal has rust) @ 1 gallons/SQ to the entire roof, including parapet walls, flashings, and ductwork. Allow 4-24 hours to cure.
7. Apply Metacrylics[®] Acrylic White @ 3 gallons/SQ at a rate of 1.5 gallons per coat. Apply to parapet walls, flashings, and ductwork. Allow 24-48 hours between applications. Note: Based on pitch of roof the application rates of Top Coats may need to be reduced and require more coats applied to achieve required 3 gallons/SQ.



Coating over Metal Roof: 20-Year System

Corrugated, Standing Seam, & R-Panel

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base or Black Primer	1 gallons/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Gel & Fabric		As Needed
Peel & Coat		As Needed

For ribs, multiply sqf. By 1.3

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics® for full system specifications.

General Application Guidelines

1. Wire brush and remove any flaking rust.
2. Inspect roof for open joints, laps, holes etc. and repair flaws so water does not enter the building. Use Metacrylics Acrylic Gel and Polyester fabric as 3-course method to reinforce, seal, and repair needed areas. Thoroughly pressure wash roof, especially oxidized areas.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions)
4. Fasteners: Tighten or replace all exposed fasteners where needed. Add additional fasteners to tighten loose panels to restore original design intent. Apply Metacrylics Acrylic Gel over fasteners to encapsulate and seal fastener. Ridge Caps: Replace missing ridge cap gaskets as needed; 3-course ridge cap closure cavity with alternating layers of Metacrylics Acrylic Gel and polyester fabric
5. Seams: Apply foot pressure to under lapping panel next to joint. If joint opens more than 1/16-inch, add fasteners to tighten the opening. 3-course all horizontal field seams and end-laps with alternating layers of Metacrylics Acrylic Gel and polyester fabric.
6. Apply Metacrylics® Clear Base (or Black Primer if the metal has rust) @ 1 gallons/SQ to the entire roof, including parapet walls, flashings, and ductwork. Allow 4-12 hours to cure.
7. Apply Metacrylics® Acrylic White @ 4 gallons/SQ in two applications at a rate of 2 gallons. Apply to parapet walls, flashings, and ductwork. Allow 24-48 hours between applications. Note: Based on pitch of roof the application rates of Top Coats may need to be reduced and require more coats applied to achieve required 4 gallons/SQ.



Coating over Metal Roof: 30-Year System

Corrugated, Standing Seam, & R-Panel

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base or Black Primer	1 gallons/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	6 gallons/SQ	6 x ____ SQs = ____ Gallons
Gel & Fabric		As Needed
Peel & Coat		As Needed

For ribs, multiply sqf. By 1.3

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics® for full system specifications.

General Application Guidelines

1. Wire brush and remove any flaking rust.
2. Inspect roof for open joints, laps, holes etc. and repair flaws so water does not enter the building. Use Metacrylics Acrylic Gel and Polyester fabric as 3-course method to reinforce, seal and repair needed areas. Thoroughly pressure wash roof, especially oxidized areas.
3. 5-course penetration detail (see Metacrylics® Penetration Detail Instructions)
4. Tighten or replace all exposed fasteners where needed. Add additional fasteners to tighten loose panels to restore original design intent. Apply Metacrylics Acrylic Gel over fasteners to encapsulate and seal fastener. Replace missing ridge cap gaskets as needed; 3-course ridge cap closure cavity with alternating layers of Metacrylics Acrylic Gel and polyester fabric
5. Seams: Apply foot pressure to under lapping panel next to joint. If joint opens more than 1/16-inch, add fasteners to tighten the opening. 3-course all field seams and end-laps with alternating layers of Metacrylics Acrylic Gel and polyester fabric.
6. Apply Metacrylics® Clear Base (or Black Primer if the metal has rust) @ 1 gallons/SQ to the entire roof, including parapet walls, flashings, and ductwork. Allow 4-12 hours to cure.
7. Apply Metacrylics® Acrylic White @ 6 gallons/SQ in three applications at a rate of 2 gallons. Apply to parapet walls, flashings, and ductwork. Allow 24-48 hours between applications. Note: Based on pitch of roof the application rates of Top Coats may need to be reduced and require more coats applied to achieve required 6 gallons/SQ.



Coating Over New Construction Plywood w/ DensDeck®: 15-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic White	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	
Stitchbond Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. **CLASS A FIRE RATING:** 3-course all Densdeck field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric. **NON CLASS A FIRE RATING:** 3-course all plywood field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Clear Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
5. Apply Metacrylics® Acrylic White @ 3 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 1.5 gallons/SQ per coat. Also apply to parapet walls, flashing, and HVAC ducting and any other objects to be coated. Allow at least 24 hours to cure between applications.

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Coating Over New Construction Plywood w/ FR-10 Slip-Sheet: 15-Year System, Class A Fire Rated

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base	7 gallons/SQ	7 x ____ SQs = ____ Gallons
Acrylic White	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Acrylic Gel		As Needed
Stitchbond Fabric		As Needed

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base and embed the Atlas FR-10 Slip-Sheet.
3. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base over the first layer of Atlas FR-10 Slip-Sheet. Immediately embed the second layer of Atlas FR-10 Slip-Sheet. Note: Leave FR10 Slip-Sheet exposed and allow application to dry before further coating application.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Clear Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
6. Apply Metacrylics® Acrylic White @ 3 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 1.5 gallons/SQ per coat. Also apply to parapet walls, flashing, and HVAC ducting and any other things to be coated. Allow at least 24 hours to cure between applications.



Coating Over New Construction Plywood w/ DensDeck®: 20-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic White	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	
Stitchbond Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. **CLASS A FIRE RATING:** 3-course all Densdeck field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric. **NON CLASS A FIRE RATING:** 3-course all plywood field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately, apply Metacrylics Acrylic Clear Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
5. Apply Metacrylics® Acrylic White @ 4 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 2 gallons/SQ per coat. Also apply to parapet walls, flashing, and HVAC ducting and any other objects to be coated. Allow at least 24 hours to cure between applications.



Coating Over New Construction Plywood w/ FR-10 Slip-Sheet: 20-Year System, Class A Fire Rated

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base	7 gallons/SQ	7 x ____ SQs = ____ Gallons
Acrylic White	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic Gel		As Needed
Stitchbond Fabric		As Needed

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base and embed the Atlas FR-10 Slip-Sheet.
3. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base over the first layer of Atlas FR-10 Slip-Sheet. Immediately embed the second layer of Atlas FR-10 Slip-Sheet. Note: Leave FR10 Slip-Sheet exposed and allow application to dry before further coating application.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Clear Acrylic Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Clear Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
6. Apply Metacrylics® Acrylic White @ 4 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 2 gallons/SQ per coat. Also apply to parapet walls, flashing, and HVAC ducting and any other objects to be coated. Allow at least 24 hours to cure between applications.



Coating Over New Construction Plywood w/ DensDeck®: 30-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base	6 gallons/SQ	6 x ____ SQs = ____ Gallons
Acrylic White	7 gallons/SQ	7 x ____ SQs = ____ Gallons
Stichbond Fabric	2 SQ/SQ	2 x ____ SQs = ____ SQ
Acrylic Gel & Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. **CLASS A FIRE RATING:** 3-course all Densdeck field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric. **NON CLASS A FIRE RATING:** 3-course all plywood field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric.
3. 5-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply to entire roof 2 gallons/SQ Clear Acrylic Base and embed stitch-bond polyester fabric using a brush or broom. Immediately apply 2 gallons/SQ Clear Acrylic Base over the Stichbond polyester fabric and embed the 2nd layer of fabric into wet Clear Base using a brush or broom. Allow 48 hours cure time.
5. Apply Metacrylics Acrylic Base (Clear or Gray) at the rate of 2 gallons/SQ to encapsulate the exposed fabric.
6. Apply Metacrylics® Acrylic White @ 7 gallons/SQ over the Clear Acrylic Base in four applications @ 1.75 gallons/SQ each application.. Also apply to parapet walls, flashing, and HVAC ducting. Allow at least 24 hours to cure between applications.

Coating Over New Construction Plywood w/ FR-10 Slip-Sheet: 30-Year System, Class A Fire Rated

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base	9 gallons/SQ	9 x ____ SQs = ____ Gallons
Acrylic White	7 gallons/SQ	7 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	
Stitchbond Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base and embed the Atlas FR-10 Slip-Sheet.
3. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base over the first layer of Atlas FR-10 Slip-Sheet. Immediately embed the second layer of Atlas FR-10 Slip-Sheet. Note: Leave FR10 Slip-Sheet exposed and allow application to dry before further coating application.
4. 5-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics Acrylic Base (Clear or Gray) at the rate of 2 gallons/SQ to encapsulate the exposed fabric.
6. Apply to entire roof 2 gallons/SQ Clear Acrylic Base and embed Stitchbond polyester fabric using a brush or broom. Immediately apply 2 gallons/SQ Clear Acrylic Base over the fabric and embed the 2nd layer of fabric into wet Clear Base using a brush or broom. Allow 48 hours cure time.
7. Apply Metacrylics® Acrylic White @ 7 gallons/SQ over the Clear Acrylic Base in four applications @ 1.75 gallons/SQ each application.. Also apply to parapet walls, flashing, and HVAC ducting. Allow at least 24 hours to cure between applications.



Walking Deck Over New Construction Plywood w/ DensDeck®: 10-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Gray Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic Color	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ____ SQs = ____ Gallons
Acrylic Gel & Fabric	As Needed	
Sand or Granules	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. **CLASS A FIRE RATING:** 3-course all Densdeck field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric. **NON CLASS A FIRE RATING:** 3-course all plywood field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
5. Apply 1 gallon/SQ of Metacrylics Acrylic Color (or Acrylic White). Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
6. Non-Slip Traffic Coat:

OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic Color (Mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.

OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.
7. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-8 hours to cure.

Walking Deck Over New Construction Plywood w/ FR-10 Slip-Sheet: 10-Year System, Class A Fire Rated

Materials Needed:

NOTE: 1 SQ = 100 sq. ft.

Product	Application Rate	Application Calculator
Gray Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Clear Acrylic Base	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Acrylic Color	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ____ SQs = ____ Gallons
Acrylic Gel & Fabric	As Needed	
Sand or Granules	As Needed	

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base and embed the Atlas FR-10 Slip-Sheet.
3. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base over the first layer of Atlas FR-10 Slip-Sheet. Immediately embed the second layer of Atlas FR-10 Slip-Sheet. Note: Leave FR10 Slip-Sheet exposed and allow application to dry before applying further coating application.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
6. Apply 1 gallon/SQ of Metacrylics Acrylic Color (or Acrylic White). Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
7. Non-Slip Traffic Coat:

OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic Color (Mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.

OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.
8. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-8 hours to cure.



Walking Deck Over New Construction Plywood w/ DensDeck®: 15-Year System

Materials Needed:

NOTE: 1 SQ = 100 sq. ft.

Product	Application Rate	Application Calculator
Gray Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic White	2 gallons/SQ	2 x ____ SQs = ____ Gallons
Acrylic Color	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	
Stitchbond Fabric	As Needed	
Sand or Granules	As Needed	

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. **CLASS A FIRE RATING:** 3-course all Densdeck field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric. **NON CLASS A FIRE RATING:** 3-course all plywood field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
5. Apply 2 gallons/SQ of Metacrylics Acrylic White. Allow 48 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
6. Non-Slip Traffic Coat:

OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic COLOR (Mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.

OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.
7. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-8 hours to cure.

Walking Deck Over New Construction Plywood w/ FR-10 Slip-Sheet: 15-Year System, Class A Fire Rated

Materials Needed:

NOTE: 1 SQ = 100 sq. ft.

Product	Application Rate	Application Calculator
Gray Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Clear Acrylic Base	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Acrylic White	2 gallons/SQ	2 x ____ SQs = ____ Gallons
Acrylic Color	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ____ SQs = ____ Gallons
Acrylic Gel & Fabric	As Needed	
Sand or Granules	As Needed	

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base and embed the Atlas FR-10 Slip-Sheet.
3. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base over the first layer of Atlas FR-10 Slip-Sheet. Immediately embed the second layer of Atlas FR-10 Slip-Sheet. Note: Leave FR10 Slip-Sheet exposed and allow application to dry before further coating application.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
6. Apply 2 gallons/SQ of Metacrylics Acrylic White. Allow 48 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
7. Apply Metacrylics® Acrylic Color @ 4 gallons/SQ to entire roof. Allow 24-48 hours to cure.
8. Non-Slip Traffic Coat:

OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic COLOR (Mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.

OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.

9. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-8 hours to cure.



Walking Deck Over New Construction Plywood w/ DensDeck®: 20-Year System

Materials Needed:

NOTE: 1 SQ = 100 sq. ft.

Product	Application Rate	Application Calculator
Gray Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic White	2 gallons/SQ	2 x ____ SQs = ____ Gallons
Acrylic Color	6 gallons/SQ	6 x ____ SQs = ____ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	
Stitchbond Fabric	As Needed	
Sand or Granules	As Needed	

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. **CLASS A FIRE RATING:** 3-course all Densdeck field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric. **NON CLASS A FIRE RATING:** 3-course all plywood field seams with alternating layers of Metacrylics Clear Acrylic Base & fabric.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
5. Apply 2 gallons/SQ of Metacrylics Acrylic White. Allow 48 hours curing time. Apply 2 gallons/SQ of Metacrylics Acrylic Color. Allow 48 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
6. Non-Slip Traffic Coat:

OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic COLOR (Mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.

OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.
7. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-8 hours to cure.

Walking Deck Over New Construction Plywood w/ FR-10 Slip-Sheet: 20-Year System, Class A Fire Rated

Materials Needed:

NOTE: 1 SQ = 100 sq. ft.

Product	Application Rate	Application Calculator
Gray Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Clear Acrylic Base	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Acrylic White	2 gallons/SQ	2 x ____ SQs = ____ Gallons
Acrylic Color	6 gallons/SQ	6 x ____ SQs = ____ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	
Stitchbond Fabric	As Needed	
Sand or Granules	As Needed	

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly clean plywood of all debris and dust.
2. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base and embed the Atlas FR-10 Slip-Sheet.
3. Apply 1.5 gallons/SQ of Metacrylics® Clear Acrylic Base over the first layer of Atlas FR-10 Slip-Sheet. Immediately embed the second layer of Atlas FR-10 Slip-Sheet. Note: Leave FR10 Slip-Sheet exposed and allow application to dry before applying further coating application.
4. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire roof, embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
6. Apply 2 gallons/SQ of Metacrylics Acrylic White. Allow 48 hours curing time. Apply 2 gallons/SQ of Metacrylics Acrylic Color. Allow 48 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
7. Non-Slip Traffic Coat:

OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic COLOR (Mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.

OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.

8. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-8 hours to cure.



Coating over Existing Walking Deck: 5-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Roof & Tile Primer	0.5 gallons/SQ	$0.5 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic Color	2 gallons/SQ	$2 \times \text{___ SQs} = \text{___ Gallons}$
Roof & Tile Sealer	0.25 gallons/SQ	$0.25 \times \text{___ SQs} = \text{___ Gallons}$
Sand or Granules	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Roof & Tile Primer @ 0.5 gallons/SQ to the entire surface. Allow 2-4 hours to cure.
3. Apply Metacrylics® Acrylic Color @ 1 gallon/SQ . Allow 4-12 hours to cure.
4. Apply Metacrylics® Acrylic Color @ 1 gallon/SQ with either 30 mesh sand or rubber granules mixed into the product. Apply with standard 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 4-12 hours to cure (mix sand at 1-2 quarts per 2.5 gallons if sand is mixed into Acrylic Color).
5. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-12 hours to cure.

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Coating over Existing Walking Deck: 10-Year System

Materials Needed:

NOTE: 1 SQ = 100 sq. ft.

Product	Application Rate	Application Calculator
Roof & Tile Primer	0.5 gallons/SQ	0.5 x ___ SQs = ___ Gallons
Gray Acrylic Base	4 gallons/SQ	4 x ___ SQs = ___ Gallons
Acrylic Color	4 gallons/SQ	4 x ___ SQs = ___ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ___ SQs = ___ Gallons
Stitchbond Fabric	1 SQ/SQ	1 x ___ SQs = ___ SQs
Acrylic Gel & Fabric	As Needed	
Sand or Granules	As Needed	

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Roof & Tile Primer @ 0.5 gallons/SQ to the entire surface. Allow 2-4 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire walking deck surface and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
5. Apply 1 gallon/SQ of Metacrylics Acrylic Color (or Acrylic White). Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
6. Non-Slip Traffic Coat:
OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic Color (mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.
OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.
7. Apply Metacrylics® Clear Acrylic Sealer @ 0.25 gallons/SQ. Allow 4-12 hours to cure.



Coating over Existing Walking Deck: 15-Year System

Materials Needed:

NOTE: 1 SQ = 100 sq. ft.

Product	Application Rate	Application Calculator
Roof & Tile Primer	0.5 gallons/SQ	0.5 x ____ SQs = ____ Gallons
Gray Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic Color	5 gallons/SQ	5 x ____ SQs = ____ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/SQ	1 x ____ SQs = ____ SQs
Acrylic Gel & Fabric	As Needed	
Sand or Granules	As Needed	

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Roof & Tile Primer @ 0.5 gallons/SQ to the entire roof. Allow 2-4 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire walking deck surface and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
5. Apply 1 gallon/SQ of Metacrylics Acrylic Color (or Acrylic White). Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
6. Non-Slip Traffic Coat:
OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic Color (Mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.
OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.
7. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-12 hours to cure.



Coating over Existing Walking Deck: 20-Year System

Materials Needed:

NOTE: 1 SQ = 100 sq. ft.

Product	Application Rate	Application Calculator
Roof & Tile Primer	0.5 gallons/SQ	0.5 x ____ SQs = ____ Gallons
Gray Acrylic Base	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Acrylic White	2 gallons/SQ	2 x ____ SQs = ____ Gallons
Acrylic Color	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Roof & Tile Sealer	0.25 gallons/SQ	0.25 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/SQ	1 x ____ SQs = ____ SQs
Acrylic Gel & Fabric	As Needed	
Sand or Granules	As Needed	

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Roof & Tile Primer @ 0.5 gallons/SQ to the entire roof. Allow 2-4 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic Gray Base @ 2 gallon/SQ to the entire walking deck surface and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Gray Base over fabric at the rate of 2 gallon/SQ in order to saturate and encapsulate the fabric. Allow 48 hours to cure.
5. Apply 2 gallon/SQ of Metacrylics Acrylic White. Allow 48 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 4-12 hours curing time. Apply 1 gallon/SQ of Metacrylics Acrylic Color. Allow 24 hours curing time.
6. Non-Slip Traffic Coat:

OPTION 1: Apply a final application @ 2 gallons/SQ with either 30 mesh sand or rubber granules mixed with the Metacrylics® Acrylic Color (mix sand at the rate of 1-2 quarts per 2.5 gallons of coating). Apply with texture roller cover, 3/4" roller cover, trowel, or texture spray gun.

OPTION 2: While the second coat of top coat is still wet, broadcast or flood coat 30 mesh sand or rubber granules into coating. Blow off excess sand or granules. Apply a final application @ 2 gallons/SQ over sand or granules with either 3/4" roller cover, texture roller cover, trowel, or texture spray gun. Allow 24-48 hours cure time.
7. Apply Metacrylics® Roof & Tile Sealer @ 0.25 gallons/SQ. Allow 4-12 hours to cure.



Coating over Spray Polyurethane Foam Roof: 5-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base	1 gallons/SQ	1 x ____ SQs = ____ Gallons
Acrylic White	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof. All saturated foam areas must be removed and replaced with similar materials of equal thickness.
2. Pressure wash roof. If the roof cannot be pressure washed, then thoroughly wash the surface with TSP or similar cleaner to remove oxidation and residue.
3. Apply Metacrylics® Clear Base @ 1 gallons/SQ to the entire roof. Allow 4-12 hours to cure.
4. Apply Metacrylics® Acrylic White @ 3 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 1.5 gallons. Allow 24-48 hours to cure between applications.

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Coating over Spray Polyurethane Foam Roof: 10-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Acrylic White	3 gallons/SQ	3 x ____ SQs = ____ Gallons
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof. All saturated foam areas must be removed and replaced with similar materials of equal thickness.
2. Pressure wash roof. If roof cannot be pressure washed, then thoroughly wash the surface with TSP or similar cleaner to remove oxidation and residue.
3. Apply Metacrylics® Clear Base @ 3 gallons/SQ to the entire roof. Allow 24-48 hours to cure.
4. Reinforce ponding areas with Metacrylics Acrylic Clear Base & polyester fabric. Embed polyester fabric into wet Clear Base and apply 1 gallon/SQ over fabric to saturate and encapsulate fabric.
5. 3-course penetration details (see Metacrylics® Penetration Detail Instructions).
6. Apply Metacrylics® Acrylic White @ 3 gallons/SQ over the Clear Acrylic Base in two application at the rate of 1.5 gallons/SQ. Allow 24-48 hours to cure between applications.

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Coating over Spray Polyurethane Foam Roof: 15-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base	5 gallons/SQ	5 x ____ SQs = ____ Gallons
Acrylic White	4 gallons/SQ	4 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/SQ	1 x ____ SQs = ____ SQs
Acrylic Gel & Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof. All saturated foam areas must be removed and replaced with similar materials of equal thickness.
2. Pressure wash roof. If the roof cannot be pressure washed, then thoroughly wash the surface with TSP or similar cleaner to remove oxidation and residue.
3. Apply Metacrylics® Clear Acrylic Base @ 2.5 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Clear Base over fabric at the rate of 2.5 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
4. 3-course penetration details (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Acrylic White @ 4 gallons/SQ over the Clear Acrylic Base in two applications at the rate of 2 gallon/SQ each. Allow 24-48 hours to cure between applications.

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Coating over Spray Polyurethane Foam Roof: 20-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base	5 gallons/SQ	5 x ____ SQs = ____ Gallons
Acrylic White	6 gallons/SQ	6 x ____ SQs = ____ Gallons
Stitchbond Fabric	1 SQ/SQ	1 x ____ SQs = ____ SQs
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof. All saturated foam areas must be removed and replaced with similar materials of equal thickness.
2. Pressure wash roof. If roof cannot be pressure washed, then thoroughly wash the surface with TSP or similar cleaner to remove oxidation and residue.
3. Apply Metacrylics® Clear Acrylic Base @ 2.5 gallon/SQ to the entire roof and embed Polyester Fabric with a brush or broom while coating is wet. Immediately apply Metacrylics Acrylic Clear Base over fabric at the rate of 2.5 gallon/SQ in order to saturate and encapsulate the fabric. Allow 24-48 hours to cure.
4. 3-course penetration details (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics® Acrylic White @ 6 gallons/SQ over the Clear Acrylic Base in three applications at the rate of 2 gallon/SQ each. Allow 24-48 hours to cure between applications.

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Coating over Spray Polyurethane Foam Roof: 30-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Base	7.5 gallons/SQ	7.5 x ____ SQs = ____ Gallons
Acrylic White	8 gallons/SQ	8 x ____ SQs = ____ Gallons
Stitchbond Fabric	2 SQ/SQ	2 x ____ SQs = ____ SQs
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof. All saturated foam areas must be removed and replaced with similar materials of equal thickness.
2. Pressure wash roof. If roof cannot be pressure washed, then thoroughly wash the surface with TSP or similar cleaner to remove oxidation and residue.
3. Apply to entire roof 2.5 gallons/SQ Clear Acrylic Base and embed Stitchbond polyester fabric using a brush or broom. Immediately apply 2.5 gallons/SQ Clear Acrylic Base over the fabric and embed the second layer of fabric into wet Clear Base using a brush or broom. Allow 48 hours cure time.
4. 5-course penetration details (see Metacrylics® Penetration Detail Instructions).
5. Apply Metacrylics Acrylic Clear Base at the rate of 2.5 gallons/SQ to encapsulate the exposed fabric.
6. Apply Metacrylics® Acrylic White @ 8 gallons/SQ over the Clear Acrylic Base in four applications @ 2 gallons/SQ each application. Also Apply to parapet walls, flashing, and HVAC ducting. Allow at least 24 hours to cure between applications.



Clear Coating over Tile Roof: 5-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Roof & Tile Primer	0.5 gallons/SQ	$0.5 \times \text{___ SQs} = \text{___ Gallons}$
Clear Roof & Tile Sealer	1.25 gallon/SQ	$1.25 \times \text{___ SQs} = \text{___ Gallons}$

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Roof & Tile Primer @ 0.5 gallons/SQ to entire roof. Allow 1-4 hours to cure. Do not apply to damp surfaces or if moisture is imminent within 24 hours.
3. Apply Metacrylics® Clear Roof & Tile Sealer @ 0.625 gallons/SQ to the entire roof. Allow 4 hours to cure between coats. Do not apply to damp surfaces or if moisture is imminent within 24 hours as this will cause the sealer to turn cloudy & white until it dries.
4. Apply final Metacrylics® Clear Roof & Tile Sealer @ 0.625 gallons/SQ to the entire roof. Allow 24 hours to cure. Do not apply to damp surfaces or if moisture is imminent within 24 hours, as this will cause the sealer to turn cloudy & white until it dries.

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Color Coating over Tile Roof: 5-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Roof & Tile Primer	0.5 gallons/SQ	0.5 x ____ SQs = ____ Gallons
Color Roof & Tile Sealer	1.5 gallon/SQ	1.5 x ____ SQs = ____ Gallons

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Roof & Tile Primer @ 0.5 gallons/SQ to entire roof. Allow 1-4 hours to cure. Do not apply to damp surfaces or if moisture is imminent within 24 hours.
3. Apply Metacrylics® Color Roof & Tile Sealer @ .75 gallons/SQ to the entire roof. Allow 4 hours to cure between coats. Do not apply to damp surfaces or if moisture is imminent within 24 hours, as this will cause the sealer to turn cloudy & white until it dries.
4. Apply final Metacrylics® Color Roof & Tile Sealer @ .75 gallons/SQ to the entire roof. Allow 24 hours to cure. Do not apply to damp surfaces or if moisture is imminent within 24 hours, as this will cause the sealer to turn cloudy & white until it dries.

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Color Coating over Tile Roof: 10-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Roof & Tile Primer	0.5 gallons/SQ	0.5 x ____ SQs = ____ Gallons
Color Roof & Tile Sealer	2 gallon/SQ	2 x ____ SQs = ____ Gallons

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Roof & Tile Primer @ 0.5 gallons/SQ to entire roof. Allow 1-4 hours to cure. Do not apply to damp surfaces or if moisture is imminent within 24 hours.
3. Apply Metacrylics® Color Roof & Tile Sealer @ 1 gallons/SQ to the entire roof. Allow 4-24 hours to cure between coats. Do not apply to damp surfaces or if moisture is imminent within 24 hours, as this will cause the sealer to turn cloudy & white until it dries..
4. Apply final Metacrylics® Color Roof & Tile Sealer @ 1 gallons/SQ to the entire roof. Allow 4-8 hours to cure. Do not apply to damp surfaces or if moisture is imminent within 24 hours, as this will cause the sealer to turn cloudy & white until it dries.

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Re-coat Existing Metacrylics® Roof: 5-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base or	0.5 gallons/SQ	$0.5 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	2 gallons/SQ	$2 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Clear Acrylic Base or Roof & Tile Primer @ 0.5 gallons/SQ to the entire roof. Allow 4-12 hours to cure.
3. Apply Metacrylics® Acrylic White @ 2 gallons/SQ to the entire roof. Allow 24-48 hours to cure.

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Re-coat Existing Metacrylics® Roof: 10-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base or Roof & Tile Primer	0.5 gallons/SQ	$0.5 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	3 gallons/SQ	$3 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic Gel	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Clear Acrylic Base or Roof & Tile Primer @ 0.5 gallons/SQ to the entire roof. Allow 4-12 hours to cure.
3. Apply Metacrylics® Acrylic White @ 3 gallons/SQ to the entire roof in two applications at the rate of 1.5 gallons/SQ. Allow 24-48 hours to cure.

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Re-coat Existing Metacrylics® Roof: 15-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base or	0.5 gallons/SQ	$0.5 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	4 gallons/SQ	$4 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic Gel	As Needed	
Stitchbond Fabric	As Needed	

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Clear Acrylic Base or Roof & Tile Primer @ 0.5 gallons/SQ to the entire roof. Allow 4-12 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic White @ 4 gallons/SQ to the entire roof in two applications at the rate of 2 gallons/SQ. Allow 24-48 hours to cure between applications.

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Re-coat Existing Metacrylics® Roof: 20-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base or	0.5 gallons/SQ	$0.5 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	5 gallons/SQ	$5 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic Gel		As Needed
Stitchbond Fabric		As Needed

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Clear Acrylic Base or Roof & Tile Primer @ 0.5 gallons/SQ to the entire roof. Allow 4-12 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic White @ 5 gallons/SQ to the entire roof. In three applications at the rate of 1.66 gallons/SQ. Allow 24-48 hours to cure between coats.

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Re-coat Existing Metacrylics® Roof: 30-Year System

Materials Needed:

Product	Application Rate	Application Calculator
Clear Acrylic Base or	0.5 gallons/SQ	$0.5 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic White	7 gallons/SQ	$7 \times \text{___ SQs} = \text{___ Gallons}$
Acrylic Gel		As Needed
Stitchbond Fabric		As Needed

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics for full system specifications.

General Application Guidelines

1. Thoroughly pressure wash roof.
2. Apply Metacrylics® Clear Acrylic Base or Roof & Tile Primer @ 0.5 gallons/SQ to the entire roof. Allow 4-12 hours to cure.
3. 3-course penetration detail (see Metacrylics® Penetration Detail Instructions).
4. Apply Metacrylics® Acrylic White @ 7 gallons/SQ to the entire roof. In four applications at the rate of 1.75 gallons/SQ. Allow 24-48 hours to cure between coats.

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Penetration Detail Instructions

GUTTERS

1. Thoroughly pressure wash gutters. Rusted areas must be replaced with new gutters.
2. Apply primer to gutters.
3. 3-course with GEL & FABRIC over all joints. Do not use PEEL & COAT on any gutters!
4. Gutters can be coated with Metacrylics Acrylic White or Metacrylics Silicone White.

PARAPET COPING (CAP)

1. Thoroughly wash or pressure wash parapet coping.
2. Prime coping. Any rusted areas must be primed with black primer instead of clear primer.
3. 3-Course with GEL & FABRIC over the top of the coping (cap) joints and screws.
4. Coat with WHITE topcoat.

NOSINGS, EDGE FLASHINGS, & GRAVEL STOPS

1. Apply primer to all edge flashings. If new, wipe with vinegar or suitable cleaning agent.
2. Apply 3-Course with 6"-9" FABRIC & GEL over the top of the edge flashing.
3. Apply the 3-Course 3" on horizontal flashing and 3" on vertical flashing on the outside wall.

WOOD BLOCKS

1. Lift and remove block.
2. Apply GEL or ACRYLIC BASE & WHITE coating to the area.
3. Allow to dry and replace block.
4. If damage to the roof occurs while removing block, 3-Course with GEL & FABRIC and replace block when dry.

WOOD SLEEPERS (HVAC SUPPORTS)

1. Jack up HVAC unit and remove sleeper.
2. Install Metacrylics 1-Ply or granulated slip sheet under entire area of sleepers and HVAC.
3. When the system is cured, replace sleepers. Be sure that lags attaching HVAC to sleepers are not too long and will not penetrate the roof system.
4. If sleepers cannot be moved or lifted, they must be completely encapsulated. The area under HVAC should be coated with Metacrylics and reinforced with fabric.



Metacrylics[®]
energy efficient coatings

Penetration Detail Instructions

HVAC DUCTS

1. Thoroughly pressure wash all ducts.
2. 3-Course duct joints with Metacrylics ACRYLIC GEL & fabric or apply 4" peel & Coat Tape over joints.
3. Apply 2 gals/SQ of Metacrylics ACRYLIC WHITE in two applications of 1 gal/SQ of ACRYLIC WHITE.

SKYLIGHTS

1. 3-Course up the side of the skylight curb a minimum of 3" and onto the field area 3". Be careful not to cover any weep (drainage) holes in the skylight.
2. Apply ACRYLIC GEL to all exposed screw heads.

PITCH POCKETS

1. Fill pitch pocket with Metacrylics ACRYLIC GEL.
2. 3-Course with GEL & FABRIC over the top of the pitch pocket and down to the base of the pitch pocket, and at least 3" onto the roof.
3. Apply ACRYLIC GEL to the penetration exiting the pitch pocket for 10" in length.

SCUPPERS & DRAINS

1. Remove all old asphalt, mastic, and roofing materials around and inside the scupper. For drains, remove the drain screen, clamp ring, and screws.
2. Thoroughly apply Metacrylics primer to scuppers and drains.
3. For scuppers:
 1. Apply Metacrylics GEL liberally to the inside and outside of the scupper
 2. Cut a 9"-20" square piece of fabric and embed into the GEL. Sometimes overlapping 4" strips of fabric into GEL may be preferred depending on the size of the scupper.
 3. Embed the fabric at least 4" into and around the inside of the scupper.
 4. Apply a cover coat of Metacrylics ACRYLIC GEL.
4. For drains:
 1. 3-Course with GEL & FABRIC into the drain pipe at least 2".
 2. Take a 20" or 40" square of fabric and place over the drain, cutting a hole out for the drain.
 3. 3-Course then reattach drain ring and screen cover.