

**METACRYLICS ROOF/DECK SYSTEMS**

Report No.: 19690-0

Order No.: AE19690

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**TOTAL EMITTANCE TEST REPORT**

**2.0 TEST METHODS AND PROCEDURES (cont'd)**

Near-Normal Emittance for the client's specimens was calculated from Kirchhoff's Relationship where:

$$\rho + \alpha + \tau = 1, \alpha = \epsilon$$

Since the specimens have no transmittance in the far infrared, the preceding equation reduces to

$$\rho + \epsilon = 1 \text{ and } 1 - \rho = \epsilon$$

**3.0 OBSERVATIONS, DEVIATIONS, AND WAIVERS**

The measurements were performed on the coated side of the specimen. The values reported represent the average of four measurements.

**4.0 RESULTS**

<u>Specimen Code</u>	<u>Reflectance (<math>\rho</math>) Measured</u>	<u>Near Normal Emittance (<math>\epsilon</math>) Calculated</u>
Metacrylics Acrylic White #1	.05	.95
Metacrylics Acrylic White #2	.05	.95