

SHEERFILL® and FABRASORB®

Architectural Membrane

Acoustical Membrane

Solar Transmittance and Reflectance Properties Technical Bulletin

Rev. A | September 2013

Comparison of Average¹ Solar Transmittance and Reflectance Properties of SHEERFILL® Architectural and FABRASORB® Acoustical Membranes (per ASTM E-424)²

| Parameter | (% Transmittance) | | | | (% Reflectance) | | | | |
|---------------|------------------------------|-----|------|------|-----------------|------|------|------|-------------|
| | Spectral Region ³ | UV | VIS | NIR | Total Solar | UV | VIS | NIR | Total Solar |
| Sheerfill I | | 1.3 | 9.5 | 13.6 | 11.2 | 55.2 | 71.0 | 68.6 | 69.8 |
| Sheerfill II | | 1.2 | 9.5 | 13.3 | 11.1 | 57.4 | 72.8 | 70.8 | 71.8 |
| Sheerfill IIA | | 2.8 | 12.4 | 17.2 | 14.4 | 55.6 | 71.0 | 69.7 | 70.2 |
| Sheerfill V | | 4.2 | 14.6 | 18.6 | 16.3 | 57.8 | 71.3 | 68.0 | 69.8 |
| Fabrasorb I | | 5.9 | 19.1 | 24.1 | 21.2 | 46.1 | 67.6 | 67.1 | 67.2 |

¹ All data represent the averages of three randomly selected production lots of each product.

² Measurements were performed by Heraeus DSET Laboratories.

³ UV = ultraviolet (one ordinate at 369 nm); VIS = visible (55 ordinates, 389-774 nm); NIR = near-infrared (44 ordinates, 781-2140 nm).



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