

Anti-Vandalism Films: Data Sheet

Saint-Gobain Graffitigard™ 4PLUS

Physical Characteristics

| PERFORMANCE | VALUE | METHOD |
|-------------------------------|----------------------|-------------|
| Number of layers | 4 | NA |
| Thickness | | ASTM D 3652 |
| Overall | 442 μ (.44 mm) | |
| Single layer | 110 μ (.11 mm) | |
| Peel adhesion | | ASTM D 3330 |
| Adhesion to glass | 93 N/m (8.5 oz/in) | |
| Adhesion between layers | 16 N/m (1.5 oz/in) | |
| Residual adhesive | None | |
| Haze / luminous transmittance | | ASTM D 1003 |
| Visible light | 92% | |
| Haze | 2.5% | |
| Clarity | 98% | |
| Abrasion resistance | -1.1 mg / 100 cycles | ASTM D 4060 |

Adhesion

Adhesion is measured by peeling specimens at a 180° angle from the underlying substrate. Peel adhesion is the average result for the strips tested in Newtons per meter. Specimens are applied to substrate using standard application practices. Adhesion to glass and between layers is measured.

Scratch Resistance

Scratch resistance is measured testing using the Taber Haze Abraser. Specimens are subjected to 100 cycles with a 1,000 gm weight. Results are expressed by changes in weight loss in mg/# of cycles.

Storage

Graffitigard 4PLUS should be stored in a dry, controlled environment. The temperature should not exceed 95° F nor go below 50° F. The film should always be stored in the original packaging with the end plugs securely placed on the core.

In roll format use until 1 month after delivery. If this is not feasible please store in flat sheets.

Disclaimer

These test data contain results arrived at after employing specific test procedures and standards. The included data do not constitute a recommendation for, endorsement of, or certification of the product or material tested. These data are provided for informational purposes only and are not to be considered part of merchantability or fitness for a particular purpose. Extrapolation of data from the sample or samples relation to the batch or lot from which data were obtained may not correlate and should be interpreted accordingly with caution. **Saint-Gobain shall not be responsible for variations in quality, composition, appearance, performance, or other feature of similar subject matter produced by persons or under conditions over which Saint-Gobain has no control.**