



# ShockGuard Multi-Use Vinyl Sheet

TECHNICAL DATA

## PRODUCT DESCRIPTION

|  |   |
|--|---|
| <b>Finish &amp; Appearance</b>         | Hammered Embossed with EverProtect - a Factory Applied Permanent Polyurethane Finish  |
| <b>Nominal Dimensions <sup>1</sup></b> | Solid Colors - 71" (1.8 m) x 49' (15 m) x 9/32" (7 mm) Rolls<br>Wood Grain Colors – 71" (1.8 m) x 85' (25.9 m) x 9/32" (7 mm) Rolls |
| <b>Wear Layer Thickness</b>            | 0.030" (0.7 mm)   |
| <b>Addition Features</b>               | Glass Fiber Stabilization Layer<br>100% PVC Two-Color Closed-cell Foam Backing Layer  |

## PRODUCT PERFORMANCE PROPERTIES

|  |   |
|--|---|
| <b>ASTM F1303 – Vinyl Sheet Flooring without Backing</b>                           | Type 1 – Grade 1 for Wear Layer Only                        |
| <b>ASTM E648 (NFPA 253) – Critical Radiant Flux</b>                                | Class I, $\geq 0.45 \text{ W/cm}^2$                         |
| <b>ASTM E662 (NFPA 258) – Smoke Density</b>  | Passes, $\leq 450$  |
| <b>ASTM D2047 – Static Coefficient of Friction <sup>2</sup></b>                    | $\geq 0.50$   |
| <b>ASTM E303 – Surface Frictional Properties (BPN)</b>                             | $\geq 80$ Dry   |
| <b>ASTM F970 – Static Load Resistance <sup>3</sup></b>                             | Passes, $< 0.005"$ Indentation @ 175 psi                    |
| <b>ASTM F1914 – Residual Indentation</b>   | Excellent, $\leq 0.012"$ @ 75 lbs. after 60-minute recovery |
| <b>ASTM F2772 – Athletic Performance Properties of Indoor Sports Floor Systems</b> |   |
| <b>ASTM F2569 – Force Reduction</b>  | 25%, Class 2  |
| <b>ASTM F2157 – Vertical Deformation</b>   | Class B   |
| <b>ASTM F2117 – Ball Rebound</b>   | 100%  |
| <b>ASTM E303 – Surface Friction</b>  | 96  |
| <b>ASTM F1514 – Heat Stability</b>   | $\Delta E \leq 8$   |
| <b>ASTM F1515 – Light Stability</b>  | $\Delta E \leq 8$   |
| <b>EN 1516 – Resistance in Indentation</b>   | $< 0.5 \text{ mm}$  |
| <b>EN 1517 – Resistance to Impact</b>  | Pass  |
| <b>EN 1569 – Rolling Load Indentation</b>  | Pass  |
| <b>EN ISO 5470 – Abrasion Resistance</b>   | Pass  |

## PRODUCT INSTALLATION & WARRANTY INFORMATION

|   |   |
|---|---|
| <b>Lot Controlled</b>                                       | Yes                                       |
| <b>Suitable for In Floor Radiant Heat</b>                   | Yes                                       |
| <b>Heat Weldable / Required</b>                             | Yes / Required                            |
| <b>Indoor / Outdoor Suitability</b>                         | Indoor Use Only                           |
| <b>Service &amp; Storage Temperature Range <sup>4</sup></b> | 60° - 85° F                               |
| <b>Recommended Adhesives <sup>5</sup></b>                   | Excelsior AW-510 Wet-Set Acrylic Adhesive |



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|--------------------------------------|--|
|                                      | Excelsior PS-525 Modified Pressure Sensitive Adhesive<br>Excelsior U-705 Urethane Adhesive<br>Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive |
| <b>Product Warranty</b> <sup>6</sup> | 10 Year Limited Commercial Warranty  |

## ATTRIBUTES, CERTIFICATIONS, & REGULATORY INFORMATION

- Contributes to LEED v4/4.1 Requirements
- Achieved FloorScore Certification
- Meets California Department of Public Health V1.2 (CA Section 01350) requirements
- Meets Collaborative for High Performance Schools (CHPS) requirements
- Manufactured with non-phthalate plasticizers
- 100% REACH Compliant
- 100% free of heavy metals
- 100% free of solvents
- 100% free from formaldehyde

## SUPPORT & ADDITIONAL DOCUMENTATION

|  |  |
|--|--|
| <b>Product Support Phone &amp; Email</b>   | (800) 537 – 9527 / <a href="mailto:sales@roppe.com">sales@roppe.com</a>  |
| <b>Technical Support Phone &amp; Email</b> | (844) 393 – 4044 / <a href="mailto:solutions@rhctechnical.com">solutions@rhctechnical.com</a>  |
| <b>Product Technical Documentation</b>     | <a href="http://www.roppe.com">www.roppe.com</a>   |
| <b>Associated or Related Documentation</b> | <a href="#">Excelsior AW-510 Wet-Set Acrylic Adhesive</a><br><a href="#">Excelsior PS-525 Modified Pressure Sensitive Adhesive</a><br><a href="#">Excelsior U-705 Urethane Adhesive</a><br><a href="#">Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive</a><br><a href="#">ShockGuard Multi-Use Vinyl Sheet Installation</a><br><a href="#">ShockGuard Multi-Use Vinyl Sheet Care &amp; Maintenance</a><br><a href="#">Roppe Products Warranty</a> |

<sup>1</sup> Nominal Dimensions are the marketed dimensions of the product, tolerances are allowed in the manufacturing process and our tolerance range is what is allowed by the ASTM documentation overseeing the product construction.

<sup>2</sup> ADA Standards for Accessible Design states the floor surface shall be stable, firm and slip resistant. Our test results utilize the James Machine as described in ASTM D2047 and as described in UL410 for floor covering materials (FCM) utilizing a leather foot under dry conditions. Maintenance processes and commonly utilized site applied finishes, polishes, and other sealers to maintain resilient flooring products will change the walking surface and ultimately the Static Coefficient of Friction.

<sup>3</sup> ASTM F970 testing at loads above 250 psi is outside the scope of the test method and is considered modified. Modification to the testing process for us is the additional load utilizing the same foot as described in the test method by ASTM. Since testing is conducted on flooring product alone, our stated results do not take into consideration chosen adhesive, any utilized underlayments and/or substrates or subfloors. These results should not be construed as an indicator of installed flooring performance.

<sup>4</sup> See installation documents for full installation details regarding approved substrates, job site conditions and acclimation procedures.

<sup>5</sup> Recommended adhesives listed are recommended to be used to obtain the full listed system warranty that includes a bond performance warranty. Material installed with adhesives other than those listed here or an approved option in writing will only have a product manufacturing and wear warranty, no performance or bond warranty.

<sup>6</sup> See product warranty for full details regarding limitations and warranty coverage.

The contents contained within this Technical Data Sheet (TDS) may be utilized or copied into another projected related document, but this original document will remain in effect at the time of product installation, this TDS shall not be supplemented or replaced by the resulting project documentation. **Any alterations to the wording or requirements contained in or derived from this document shall void all related warranties.**

See installation information and documents for full installation details regarding substrates, job site conditions, & acclimation procedures. The intent of this document is to provide technical and performance properties of the mentioned adhesive as well as define the intended method of installation for the products in which the adhesive is approved for use. Any installation guidelines are to be considered as a starting point at a minimum for a successful installation. We rely on the expertise and professionals that are installing the products to adjust based on site conditions. Anything that appears to be a link, is and leads to additional information if necessary or provides a means of contact in the event there are any additional questions. Prior to acceptance of this document refer to the product website to confirm that you have the most current revision.

**These products are intended for installation by professionals, prior to use the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability.**