

PRODUCT DESCRIPTION

Finish & Appearance	#98 Vantage Profile Raised Disc, No Factory Finish Square Nose with Relief Cut, Adjustable to 60°
Nominal Dimensions ¹	Available in 48", 60", & 72" Lengths
Available Options	No Special Options Available

PRODUCT PERFORMANCE PROPERTIES

ASTM F2169 – Resilient Stair Treads	Type TS, Class 2
ASTM E648 (NFPA 253) – Critical Radiant Flux	Class I, $\geq 0.45 \text{ W/cm}^2$
ASTM E662 (NFPA 258) – Smoke Density	Passes, ≤ 450
CAN/ULC-S102.2 – Surface Burning	115 Flame Spread Rating 275 Smoke Developed Classification
ASTM D2047 – Static Coefficient of Friction ³	≥ 0.50

PRODUCT INSTALLATION & WARRANTY INFORMATION

Lot Controlled	No
Suitable for In Floor Radiant Heat	Yes
Heat Weldable / Required	No
Indoor / Outdoor Suitability	Suitable for Outdoor Use
Storage Temperature Range ⁵	60° - 85° F
Installation Temperature Range	40° - 95° F
Required Components for Installation	Excelsior EN-610 Epoxy Nose Filler
Recommended Adhesives ⁶	Excelsior U-705 Urethane Adhesive Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive
Product Warranty ⁷	Three (3) Year Limited Commercial Warranty

ATTRIBUTES, CERTIFICATIONS, & REGULATORY INFORMATION

- Manufactured in Fostoria, OH
- Red List Chemical Free
- Does Not Contain Recycled Materials
- Meets Buy America Act (49 CFR Part 661, 49 United States Code 5323)
- Meets Buy American Act (7 CFR Part 1787, 41 United States Code 8301 – 8305)
- Meets Federal Acquisition Regulation (FAR 52.225 – 9)

SUPPORT & ADDITIONAL DOCUMENTATION

Product Support Phone & Email	1-866-877-7429 / info@kofflersales.com
Technical Support Phone & Email	1-847-438-1152 / rfq@kofflersales.com

Product Technical Documentation	www.kofflersales.com
Associated or Related Documentation	Excelsior EN-610 Epoxy Nose Filler Excelsior U-705 Urethane Adhesive Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive Outdoor Rubber Stair Tread Installation Outdoor Rubber Stair Tread Care & Maintenance Roppe Products Warranty

¹ 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.

² ANSI/ESD S20.20 Standard for ESD Control Programs is a process document, not a specification. Flooring alone does not meet S20.20; it meets recommended parameters derived from standard 3 standard test methods referenced in S20.20. Flooring is a necessary part of the bigger picture when complying with S20.20 and that picture includes flooring, people, ground connections and controlled footwear.

³ 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. This number indicated dry, out of the box conditions.

⁴ 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.

⁵ See installation documents for full installation details regarding approved substrates, job site conditions and acclimation procedures.

⁶ 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.

⁷ 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.