



# Repel Rubber Stair Tread

TECHNICAL DATA

## PRODUCT DESCRIPTION

Finish & Appearance	Smooth, Hammered, & Raised Disc, No Factory Finish
Nominal Dimensions <sup>1</sup>	Various Lengths from 36" – 108" depending upon style
Nose Configuration	Round Nose, Square Nose, or Square Adjustable Nose
Available Abrasive Strip Colors	White, Gray, Brown, Black, Canary, or Glow Strip
Available Ribbed/Smooth Rubber Insert Colors	All FlexTones® Colors plus Canary Yellow

## PRODUCT PERFORMANCE PROPERTIES

ASTM F2169 – Resilient Stair Treads	Type TS, Class 1 or 2, Group 1 and/or 2, Grade 1
ASTM E648 (NFPA 253) – Critical Radiant Flux	Class I, $\geq 0.45 \text{ W/cm}^2$
ASTM E662 (NFPA 258) – Smoke Density	Passes, $\leq 450$
CAN/ULC-S102.2 – Surface Burning	115 Flame Spread Rating 275 Smoke Development Classification
ASTM D2047 – Static Coefficient of Friction <sup>2</sup>	$\geq 0.50$
ASTM F925 – Chemical Resistance <sup>3</sup>	Excellent with Petroleum Hydrocarbons, Vegetable Oils, & Animal Fats Excellent, Additional Chemical List available via chart
ASTM F1514 – Heat Stability	$\Delta E \leq 8$
ASTM D2240 – Durometer Hardness Indentation	$\geq 85$ Shore A

## PRODUCT INSTALLATION & WARRANTY INFORMATION

Lot Controlled	No
Suitable for In Floor Radiant Heat	Yes
Heat Weldable / Required	Not Recommended
Indoor / Outdoor Suitability	Indoor Use Only
Service & Storage Temperature Range <sup>4</sup>	60° - 85° F
Recommended Adhesives <sup>5</sup>	Excelsior U-705 Urethane Adhesive Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive
Recommended Installation Accessories	#195 Fillet Strip for One-Piece Stair Tread with Riser Excelsior EN-610 Epoxy Nose Filler is not required on all installations. EN-610 is recommended for installations that occur on older substrates such as worn metal, worn wood, and/or worn existing approved tread types. EN-610 is required if a gap between the underside of the tread and the substrate greater than 1/4" is present.
Product Warranty <sup>6</sup>	3 Year Limited Commercial Warranty <i>Can be utilized in commercial kitchens but warranty does not cover use directly around and/or under commercial grills and/or fryers in commercial kitchens.</i>



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### Product Limitations

Material is formulated to withstand exposure for a reasonable time to allow the area to be cleaned properly to remove petroleum hydrocarbons, vegetable oils, & animal fats.

Wider stairwells and stairwells that require pattern alignment will require additional planning and dry fitting prior to installation. We recommend ordering treads the next size up to achieve these layouts and installations.

Our treads are manufactured to be trimmed on each end of the length and the depth of the tread.

## ATTRIBUTES, CERTIFICATIONS, & REGULATORY INFORMATION

- Manufactured in Fostoria, Ohio
- Contributes to LEED v4/4.1 Requirements
- Does Not Contain Recycled Materials
- Red List Chemical Free
- Qualifies for American Made Products Acts and/or Requirements

## SUPPORT & ADDITIONAL DOCUMENTATION

Product Support Phone & Email	(800) 633 – 3151 / <a href="mailto:info@flexcofloors.com">info@flexcofloors.com</a>
Technical Support Phone & Email	(844) 393 – 4044 / <a href="mailto:solutions@rhctechnical.com">solutions@rhctechnical.com</a>
Product Technical Documentation	<a href="http://www.flexcofloors.com">www.flexcofloors.com</a>
Associated or Related Documentation	<a href="#">Excelsior TP-620 Pressure Sensitive Tread Tape Adhesive</a> <a href="#">Excelsior EN-610 Epoxy Nose Filler</a> <a href="#">Excelsior AW-510 Wet-Set Acrylic Adhesive</a> <a href="#">Excelsior PS-525 Modified Pressure Sensitive Adhesive</a> <a href="#">Excelsior U-705 Urethane Adhesive</a> <a href="#">Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive</a> <a href="#">Referenced Standards within Technical Documents Technical Bulletin</a> <a href="#">Repel Oil &amp; Grease Resistant Rubber Tread Installation</a> <a href="#">Repel Oil &amp; Grease Resistant Rubber Tread Care &amp; Maintenance</a> <a href="#">Flexco 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 F925 testing is utilized to ensure flooring materials will stand up to certain household standard chemistries. Additional chemical resistance testing performed using this test method is for informational and guidance purposes only. Proper maintenance will influence chemical resistance, but the best defense against a negative effect is to clean the drop/spill from the flooring surface immediately.

<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.