

Repel™ Rubber Stair Tread Submittal

1701 HEAVY DUTY RADIALII ONE PIECE STAIR TREAD / RISER DESIGN

Available Lengths	36", 42", 48", 54", 60", 66", 72", 78", 84", 90", 96", 102", & 108"
Finish	RGT Radial II Raised Disc Design
Nose Configuration	Square Adjustable Nose
ASTM F2169 - Resilient Stair Treads	Type TS, Class 2, Grade 1
ASTM E648 (NFPA 253) - Critical Radiant Flux	Class 1, $\geq 0.45 \text{ W/cm}^2$
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	≥ 0.50
<i>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 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.</i>	
ASTM F925 - Chemical Resistance	Petroleum Hydrocarbons, Excellent* Vegetable & Animal Oils & Fats, Excellent*
Excellent with chemicals listed in standard, Additional chemicals available via chart	
<i>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 have an effect on chemical resistance, but the best defense against a negative effect is to clean the drop/spill from the flooring surface immediately</i>	
<i>*Material designed to withstand exposure for a reasonable time to allow the area to be cleaned properly to remove petroleum hydrocarbons but not designed for exposure to vegetable or animal fats & oils or use in commercial kitchens</i>	
ASTM F1514 - Heat Stability	Excellent, $\Delta E \leq 8$
Sustainability Information	Made in the U.S.A. Meets Buy America Act (49 CFR Part 661) Meets Buy American Act (41 USC §§ 8301-8303) Contributes to LEED v4/4.1 Red List Chemical Free
Acclimation Time	48 Hours
Service & Storage Temperature	65° - 85° F
<i>See installation document for full installation details regarding approved substrates, job site conditions and acclimation procedures.</i>	
Product Warranty	3 Years
<i>See product warranty for full details regarding limitations and warranty coverage.</i>	

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Approved Adhesives

Excelsior EN-610, Epoxy Nose Filler
Excelsior U-705, Urethane Wet-Set
Excelsior EW-710, Urethane Enhanced Epoxy Adhesive

Technical Support

solutions@rhctechical.com

Product Support

info@flexcofloors.com

Technical Documentation

www.flexcofloors.com



Butting Treads & Pattern Alignment

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.

EN-610 Epoxy Nose Filler

The predominant step being used in construction today is the metal formed frame with a pan filled with concrete, having a nose radius of 1/2" maximum as spelled out in the ADA guidelines. When installing Rubber Stair Treads on these substrates, either new construction or remodel, they do not require the use of the EN-610 Epoxy Nose Filler. Fitting the tread properly to the step and creating a tight fit to the substrate will ensure proper installation and performance of the Stair Tread.

For installations that occur on other substrates (worn metal, wood, existing approved flooring types), the EN-610 Nose Filler may be required to ensure proper fit to the substrate. These substrates need to be verified for uneven wear and corrected appropriately using the best means available. One of these means is the EN-610 Epoxy Nose Filler. It is our recommendation to check for gaps between the radius in the nose of the tread and the substrate. If a gap greater than 1/4" is present, it is required to use the EN-610 Epoxy Nose Filler. If a gap of 1/2" or greater is present, the substrate should be prepared using other methods.

Of course, with any Stair Tread installation it is acceptable to utilize the EN-610 Epoxy Nose Filler.