



# Recoil Fitness Flooring

SQUARE TILE PRODUCT SUBMITTAL

<b>Finish</b>	Urethane Bonded with Characteristic Texture
<b>Nominal Dimensions</b>	36" (91.4 cm) x 36" (91.4 cm) x 1/4" (6.3 mm) Square Edge Tiles
<b>Color &amp; Percentages</b>	Solid Black, 7 Standard Color Options with 10% Chip Content
<b>ASTM F3041 - Bonded Crumb Rubber</b>	Type II; Class A
<b>ASTM E648 (NFPA 253) - Critical Radiant Flux</b>	Unclassified, < 0.22 W/cm <sup>2</sup>
<b>ASTM D2859 - Ignition Characteristics</b>	Passes, (FF1-70, 16 CFR 1630)
<b>ASTM E662 (NFPA 258) - Smoke Density</b>	Passes, ≤ 450
<b>ASTM D2047 - Static Coefficient of Friction</b>	≥ 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>	
<b>ASTM F970 - Static Load Resistance</b>	Passes, < 0.005" Indentation @ 250 psi
<b>ASTM F925 - Chemical Resistance</b>	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>	
<b>ASTM D2240 - Durometer Hardness Indention</b>	Nominal 60 Shore A
<b>ASTM D3389 - Abrasion Resistance</b>	Excellent, ≤ 1 g loss (after 1000 cycles)
<b>ASTM F2199 - Dimensional Stability</b>	Excellent, ≤ 0.050" per linear foot
<b>ASTM F1514 - Heat Stability</b>	Excellent, ΔE ≤ 8
<b>ASCE 24-14 - Flood Resistant Design</b>	FEMA Class 4 when Installed with U-705 Adhesive
<b>Acclimation Time</b>	48 Hours
<b>Service &amp; Storage Temperature</b>	60° - 85° F

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

<b>Product Limitations</b>	<p>Due to the recycled nature of this product, color variation can be present from piece to piece and roll to roll.</p> <p>Material may contain skive lines from the manufacturing process on the surface, we do not consider them as defects unless they are determined to be excessive. Material that is installed is considered as accepted by the installation contractor and not covered by the product warranty.</p> <p>Material is not approved for installation over substrates that contain radiant heat of any kind.</p> <p>Material is not approved for installation in areas where exposure to ice skates without blade guards.</p> <p>Material in areas where free weights and/or dumbbells over 50 lbs. will be used should be 3/8" thick or greater and fully adhered.</p> <p>Material is not recommended for basketball, volleyball, or similar playing surfaces.</p>
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**Product Warranty** 3 Year Commercial Warranty

*See product warranty for full details regarding limitations and warranty coverage.*

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**Recommended Adhesives** Excelsior PS-525, Modified Pressure Sensitive Adhesive  
Excelsior U-705, Urethane Wet-Set  
Excelsior EW-710, Urethane Enhanced Epoxy Adhesive

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**Attributes & Certifications** Made in the U.S.A.  
Meets Buy America Act (49 CFR Part 661, 49 U.S.C. 5323)  
Meets Buy American Act (7 CFR Part 1787, 41 U.S.C 8301-8305)  
Meets Federal Acquisition Regulation (FAR 52.225-9)  
Contributes to LEED v4/4.1  
FloorScore Certification  
Meets CA 01350 Requirements  
Meets CHPS Requirements

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**Technical Support** [solutions@rhctechnical.com](mailto:solutions@rhctechnical.com)

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**Product Support** [sales@roppe.com](mailto:sales@roppe.com)

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**Technical Documentation** [www.roppe.com](http://www.roppe.com)

