

Technical Specifications - Traverse™ Grand Format Luxury Vinyl Tile

1. Product Description: Grand Format Collection

Grand Format by Traverse™ is a heterogeneous construction luxury vinyl tile and luxury vinyl plank designed for commercial or residential use. Grand Format is a glue down product for running line options and can also be manufactured in floating formats including i4F drop lock or loose lay. Traverse planks and tiles incorporate a pure vinyl wear layer with Supermatte polyurethane reinforcement for superior scratch and abrasion resistance and ease of maintenance.

2. Product Details

2.1 – Grand Format (Running Line)

Gauge:	0.120" (3.0mm)
Wear Layer:	28mil (0.028" 0.70mm)
Edge:	Square
Size:	Tiles- 18" x 36" (457mm x 914mm) Tiles- 24" x 24" (610mm x 610mm)
Packaging:	18" x 36" Tiles – 36 square feet per carton (8 pieces) 24" x 24" Tiles – 32 square feet per carton (8 pieces)
Weight:	18" x 36": 39 – 40 lb / carton (average 39.6 lb) 24" x 24": 35 – 36 lb / carton (average 35.5 lb)

2.2 – Additional Options (Consult Traverse Sales Representative)

Additional options for both glue down and loose lay. Loose lay in 4.0mm & 5.0mm gauge only.

Gauge:	0.080" (2.0mm), 0.100" (2.5mm), 0.20" (5.0mm – Loose Lay Format)
Wear Layer:	12mil (0.012" 0.30mm), 22 mil (0.022" 0.55mm), 40 mil (0.04" 1.0mm)
Edge:	Square or beveled (22 mil and higher for bevel)
Size:	12" x 18", 18" x 18" (tiles), 36" x 36".

3. Approvals / Relevant Standards

Traverse achieves classification under ASTM F 1700. Class III Type B.

ASTM F 2055	- Test to determine squareness:	Passes
ASTM F 2199	- Dimensional Stability:	Passes
ASTM F 137	- Flexibility:	Passes
ASTM F 1914	- Short term indentation:	Passes
ASTM F 1514	- Heat stability of flooring:	Passes
ASTM F 1515	- Light stability of flooring:	Passes
ASTM F 925	- Chemical resistance:	Passes
ASTM C 501	- Taber abrasion:	Passes
ASTM D 2047	- Coefficient of friction > 0.6	>0.6
ASTM E 662	- Smoke density <450	< 450
ASTM E 648	- Critical radiant flux >0.45 Watts / cm ²	Class 1
ASTM F 970	- Indentation resistance	1500 psi (modified)

Check with Traverse Flooring and the adhesive manufacturer for recommendations in areas where there is a concern about heavy static loads

4. Installation

4.1 - Adhesive: Use a high quality acrylic adhesive for the majority of heavy use applications. Refer to the local Traverse representative for specific adhesive

recommendations based on the substrate and intended use of the space. **Traverse Waterproof Adhesive (TWA)** is available when a concrete subfloor is suspected of being high RH without ANY need to moisture test per ASTM F 2170 or when there is a risk of floors being flooded. TWA is warranted to Unlimited Moisture (from below or above) and Unlimited pH / alkalinity even over green concrete (min 7 days following concrete pour) and without requirement for sub slab vapor barrier to be present.

4.2 - Jobsite Conditions: Installation of the flooring should not commence until all other trades have completed their work. The surface of Traverse should be protected during installation. Traverse should be delivered to the jobsite in original boxes 48 hours prior to installation to allow the product to acclimatize to the jobsite temperature and humidity. Windows and doors should be closed and HVAC system should be turned on during this period of acclimatization and maintained at the temperature and humidity the interior of the building will experience following completion of the project. During storage and acclimatization, the cartons should be installed flat or on top of each other, but not on their edges. Do not double-stack full pallets. In the unlikely event that there are manufacturing defects present in the flooring, product with obvious manufacturing defects should not be installed and a Traverse flooring representative should be notified immediately.

4.3 - Substrate Preparation: Concrete subfloors should be prepared according to ASTM F 710, the standard practice for preparing concrete floors to receive resilient flooring. The subfloor should be smooth, hard, clean and dry. All concrete subfloors should be tested for alkalinity. The range of PH should be between PH 7 and PH 9 for most acrylic adhesives. Corrective action should be taken if readings are outside of this range as stipulated by the adhesive manufacturer. Traverse should not be installed over particleboard or chipboard subfloors. Any residue of old adhesive, wax, oil and grease and should be removed, as should all dust and other foreign particles.

4.4 - Moisture: All concrete subfloors should be tested for moisture. Moisture testing should be conducted in accordance with ASTM F 2170, standard test for moisture emission rates in concrete using in-situ probes. Consult adhesive manufacturer specifications for maximum allowable emission readings prior to installation of Traverse. Alternatively, moisture testing should be conducted according to ASTM F 1869, test method for measuring moisture emissions using anhydrous calcium chloride. Consult adhesive manufacturer specifications for maximum allowable emission readings prior to installation of Traverse.

4.5 - Additional Information: Floors can be damaged when not properly protected during the final stages of construction or refurbishment. Traverse should be cleaned of adhesive residue, have all dirt and grit removed from its surface, then protect the flooring from construction damage using a non-staining, breathable product sufficient to withstand any use the area may experience post installation of the flooring. Never tape or bond any such protection to the newly installed flooring. Care should also be taken to not damage the flooring, when positioning furniture and equipment within the building.

4.6 – Design Considerations: Note that TVS 811, TVS, 812 and TVS 813 have a directional vein within the pattern / design. Pay attention to direction to ensure tiles are all installed in the same direction.

5. Maintenance

For maintenance information, refer to Traverse Flooring maintenance instructions.

6. Warranty



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For warranty information, refer to Traverse Flooring warranty information.