

MILLWORKS FLOORING

Harmony – Technical Specifications

4.2mm Click Rigid Plank with Attached Cushion

Dimensions:	9" by 60"
Overall Thickness:	4.2mm plus 1.5mm Attached IXPE Cushion
Wear Layer Thickness:	0.5mm (20 mil)
Surface Treatment:	UV Cured Coating with AlOx
Warranty:	Limited Lifetime Residential, 15 Year Commercial
Construction:	Multi-layered product consisting of rigid core, wear layer, printed film and attached cushion.
Profile:	Drop Lock Click system
Recycle Content:	100% Virgin PVC, product contains a minimum of 10% trim recycle
Embossing:	Both embossed in register and wood grain embossing depending on the item.
Composition:	100% virgin PVC content; does not contain ortho-phthalates, formaldehyde or harmful heavy metals.
Installation:	Glueless, Floating
Classification:	ASTM F 1700-04 Class III, type B Solid Vinyl Floor Tile
Flammability	ASTM D 2859-06/CPSC FF 1-70, Passes
Critical Radiant Flux	ASTM E 648-06, Class I, CRF ≥ 0.45
Smoke Density	ASTM E 662-06, < 450
Residual Indentation	ASTM F 1914-07, Passes
Static Load Limit	ASTM F 970, Exceeds 2,000 pounds
Heat Stability	ASTM F 1514, Passes
Dimensional Stability	ASTM F2199-09, Passes
Light Stability	ASTM F 1515, Passes
Sound Characteristics	Min. IIC Rating 62, STC Rating 53
Packaging:	
Quantity per Carton	25.61 Square Feet
# Cartons per Pallet	48 Cartons / Pallet or 1,229.28 Square Feet
# Pallets per Container	19
Quantity Full Container	23,356.32 Square Feet



Harmony is FloorScore® certified for indoor air emissions.



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Harmony General Installation Guidelines:

The installation of Harmony Rigid Plank Flooring should not begin until the work of all other trades has been completed, especially overhead trades. The areas to receive flooring materials shall be clean and fully enclosed. The area should be maintained at a minimum of 65° F and a maximum of 75° F for 48 hours before the installation, during the installation and for 48 hours after the installation is completed. The flooring materials shall be conditioned in the same manner.

Wood subfloors must have a minimum 18" (47 cm) of cross ventilated space between the bottom of the joist and ground. Exposed earth crawl spaces should be sealed with a polyethylene moisture barrier. Subfloors should meet local and national building codes.

Single Wood and Tongue and Groove subfloors should be covered with 1/4" (6.4 mm) or 1/2" (13 mm) APA approved underlayment plywood. Use 1/4" (6.4 mm) thick underlayment panels for boards with a face width of 3" (76 mm) or less. For boards wider than 3" (76 mm) face width use 1/2" (13 mm) underlayment panels. Countersink nail heads and fill depressions, joints, cracks, gouges, and chipped edges with a good quality Portland cement based patching compound. Do not install over OSB (Oriented Strand Board), particle board, chipboard, lauan, or composite type underlayment.

Concrete shall be prepared utilizing ASTM F 710, Practice for Preparing Concrete Floors and Other Monolithic Floors to receive Resilient Flooring. Floors shall be smooth, flat, permanently dry, clean, and free of all foreign material such as dust, paint, grease, oils, and solvents, curing and hardening compounds, sealers, asphalt, and old adhesive residue. Floor covering shall not be installed over expansion joints. It is essential that moisture tests be taken on all concrete floors regardless of age and grade level. One test should be conducted for every 1,000 sq. ft. of flooring and the results not exceed 5 lbs. per 1,000 sq. ft. in 24 hours when tested in accordance with ASTM F 1869 Standard Test method for Measuring Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride or 80% when tested accordance with ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using in situ Probes. If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected.

Refer to Millworks Floating Floor installation instructions for complete installation details.

