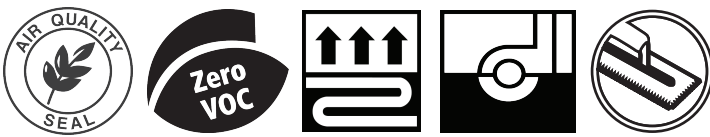


Technical Data Sheet
Hammer Clad
Resilient and Rubber Flooring Adhesive



Specifications

Raw material base: Modified Silane Polymer

Type: Single component, premium adhesive for resilient floor coverings

Color: Off White

Odor: None to negligible

VOC Content: 0 g/l US regulatory

Airing Time: 5-30 Minutes (depending on humidity and substrate absorbency)

Working Time: 10-35 minutes (depending on humidity)

Cure Time: Light foot traffic after 12 hours / Full traffic after 24 to 48 hours (depending on climate)

Cleaning agent: Mineral spirits before product dries

Shelf Life: 12 months in unopened container at 70°F / 21°C, not below 40°F / 5°C

Freeze/thaw stable: Yes

Unit Size: 3 gal.

Unit Weight: 30.6 lbs. ea.

Units per pallet: 44 pieces

Item Number: XXXXXXXX

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Important Information

Jobsite conditions must meet the NWFA, ASTM, and/or RFCI Guidelines. Doors and windows must be installed and the HVAC running to simulate the living environment climate conditions at work site: 60°F to 75°F (15°C to 24°C), 40% to 75% relative humidity. Acclimate materials to acceptable jobsite conditions. Exterior applications require the same temperature and relative humidity conditions

- Exterior applications require the same temperature and relative humidity conditions

No moisture testing required.

Hammer Clad Resilient and Rubber Flooring Adhesive can be used above grade, on grade, and below grade. Do not use on subfloors with hydrostatic pressure.

Approved for concrete substrates up to 100% rH.

Recommended Use – On properly prepared absorbent substrates (ASTM F3191)

- Commercial / Residential
- Absorbent substrates
- Interior / Exterior
- Homogeneous and heterogeneous PVC flooring in sheets and tiles
- Luxury vinyl tile and plank flooring
- Solid vinyl plank or tile per ASTM F1700
- Rubber flooring (over absorbent substrate, no airing time needed)
- Rubber and vinyl stair treads
- Agglomerated rubber flooring in tiles and rolls
- Needle punch
- Linoleum
- Cork flooring with PVC backing
- Outdoor flooring
- Artificial grass on absorbent and non-absorbent substrates (indoors and outdoors)

Subfloors / Substrates

All surfaces must meet the NWFA, ASTM, and/or RFCI Guidelines. All concrete surfaces must meet ASTM F710 standards. They must be permanently dry, smooth, and flat. They must be structurally sound, solid, well fastened, clean and free from dust, oil, grease, paint, wax, old adhesive. Mechanically remove parting compounds, surface hardeners and sealers which are known to interfere with the bond of the product to concrete, as well as loosely bonded toppings, primers or any other deleterious substances that may prevent or reduce adhesion.

Concrete

Concrete floors must be constructed, finished, and cured (minimum 30 - 60 days) in accordance with the American Concrete Institute (ACI) 302 "Guide for Concrete Floor and Slab Construction" (Class 2 or 4) with a minimum compressive strength of 3,500 psi (246 kg / cm²).

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Gypsum (and other moisture sensitive substrates)

Gypsum underlayment must meet the minimum compressive strength requirements of the floor covering being installed. Loose, friable, or dusty gypsum can be consolidated/solidified by application of a single coat of WAKOL PU 280 Moisture Barrier.

Wood subfloors / underlayment

OSB, plywood, particle board and wooden planks which are approved from the manufacture as underlayment for resilient flooring installation. Confirm minimum total thickness of wood substrates required by the floor covering manufacturer.

Terrazzo and ceramic tiles

Existing terrazzo and ceramic tiles must have full adhesion to the subfloor. Remove all residues of maintenance products and other materials that may inhibit a good adhesion. Abrade subfloor with 40 or 60 grit sandpaper to ensure a mechanical bond.

Leveling compounds

Rough surfaces must be treated with approved Leveling Compounds.

Application and Coverage*

Spread adhesive evenly and uniformly using the recommended trowel.

Allow the appropriate airing time depending on climate conditions.

Lower humidity will extend the airing time.

Higher humidity will decrease the working time.

Air Humidity	35% rH	50% rH	75% rH
Adhesive Airing Time*	Approx. 40 minutes	Approx. 30 minutes	Approx. 20 minutes
Ready For Light Traffic	24 hours	24 hours	24 hours
Ready For Heavy Traffic	48 hours	48 hours	48 hours

Install flooring within the working time into wet adhesive and press firmly or roll with a three section 100 pound roller in each direction.




Adhesive transfer to back of flooring should be at least 95%. Roll flooring again in each direction after approx. 1 hour.

To reduce the risk of indentations from knees on fresh adhesive, use a kneeling board during the installation of roll/sheet flooring or work on the flooring material.

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Prevent foot traffic on newly installed flooring for the first 12 hours.
 Clean wet adhesive from tools and equipment with mineral spirits. Dried adhesive can be easily removed manually.

Floor Covering	Recommended Trowel
Rubber flooring, PVC flooring, Luxury Vinyl Tile flooring, agglomerated rubber ≤ 4mm thickness	 3/64" by 1/16" by 1/64" V-notch (up to 240 sq.ft./gal.)
Rubber flooring, PVC flooring, Luxury Vinyl Tile flooring, agglomerated rubber > 4mm thickness	 1/16" by 1/16" by 1/16" V-notch (up to 160 sq.ft./gal.)
Rubber and PVC flooring with a structured back Needle punch, artificial grass	 3/32" by 5/64" by 1/8" V-notch (up to 110 sq.ft./gal.)

*Coverage is dependent on the surface structure and absorbcency of the substrate.

Disclaimer

The responsibility of the suitability of Freedom Fitness Equipment products for each individual case cannot be assumed, as the manufacturer has no influence on the proper application of the product by the installer and/or contractor. The directions for use were established based on research, experience and tests believed reliable. Any liability on the part of the seller cannot be derived therefrom.

Verbal information is subject to written confirmation.

Technical Data Sheets can be found at www.freedomfitnessequipment.com

This Technical Information of 3/28/2024 supersedes all previous versions.

For Technical support contact Freedom Fitness Equipment, LLC at 980.216.4860 or by e-mail at: afi@freedomfitnessequipment.com