

Multi-Purpose Flooring Adhesive Data Sheet

Product Description

XCEL MFA is a premium multi-purpose flooring adhesive for the installation of Luxury vinyl tiles (LVT), solid vinyl/rubber flooring, Carpet, and Tiles. It can be used on slabs up to 99% RH and provides an excellent permanent bond with high initial grab.

Fields of Application

It may be used over structurally sound, firm level, dry surfaces such as concrete, plywood, radiant-heated subfloors, or over existing flooring.

- ✓ Ready to Use, Full-Spread Adhesive
- ✓ Suitable for vinyl, rubber, carpet & tile
- ✓ Able to be applied over concrete, plywood, and existing flooring
- ✓ Solvent free
- ✓ Excellent green grab
- ✓ Compatible with radiant-heating systems

Main Benefits

- ✓ Fast & Efficient Application
- ✓ Low odor
- ✓ Can be used as a pressure sensitive adhesive
- ✓ Freeze-thaw stable
- ✓ Can be rolled
- ✓ Versatile adhesive for various types of flooring



Directions for Use:

Always consult and follow flooring manufacturer instructions, recommendations and limitations before installation. The substrates must be clean, dry, and free of old residues, polish, liquid sealants, wax, dust, grease and other contaminants which may affect the adhesion. The product is suitable for a large range of flooring substrates, however, a preliminary adhesion test is recommended on every surface and all concrete slabs should be tested for moisture per ASTM F2170 to determine RH. Do not use Xcel MFA when the temperature of the substrate is below 65°F or above 85°F when the RH exceeds 65%. Concrete should be fully cured (at least 45 days) and without hydrostatic pressure. Flooring should be acclimated according to manufacturers guidelines. Xcel MFA can be used on slabs up to 99% RH and 5-12pH (90% RH and 5-12 pH for sheet vinyl). Wood subfloors moisture content should be 13% or less. After substrate preparation, apply with suitable trowel and/or roller. Uncured product may be easily removed with soapy water. Cured sealant may be removed using mineral spirits or mechanically.

Technical Information:

Flooring Type	Trowel Size	Coverage
Carpet	3/32" square-notch	15 sq/yd per gallon
	1/8" square-notch	11 sq/yd per gallon
Vinyl Composition Tile (VCT)	1/32" u-notch	250 sq/ft per gallon
	1/16" square-notch	150 sq/ft per gallon
Sheet Goods	1/16" square-notch	150 sq/ft per gallon
LVT/Plank, Solid Vinyl/Rubber & Stair Treads	1/16" square-notch	150 sq/ft per gallon
	1/16" x 1/16" x 1/16" square-notch	150 sq/ft per gallon
Cork Underlayment	1/16" x 1/16" x 1/16" square-notch	150 sq/ft per gallon
LVT/Pressure Sensitive	1/16" x 1/32" x 5/64" u-notch	250-300 sq/ft per gallon
	3/8" nap	150-200 sq/ft per gallon

Color and Packaging Information

This product is packaging in 4 gal pails

Colors: Beige/Tan

Surface Preparation

All surfaces must be clean, dry, and free from damage, loose contaminants, dirt, dust, oil, paint, old adhesive, wax, sealers, and curing agents. Sweeping/Vacuumping or scouring the surface to remove contaminants before applying the adhesive is recommended. Floor must be leveled; maximum acceptable floor variation is 3/16" in a 10' radius. Use Portland cement based material if surface area is requiring patching or leveling, it must have compressive strength equal to or greater 3000 psi when cured.

Flooring Recommendations

Luxury vinyl tiles (LVT)/Plank, solid vinyl/rubber flooring and stair treads.

For use on exterior grade plywood, Group 1, other underlayment's approved by manufacturers, concrete, cementitious flattening materials, primed lightweight concrete and well bonded VCT, sheet goods or ceramic tiles all DE glossed.

Adhesive provides a strong, permanent bond on heavy trafficked areas including commercial, institutional and industrial installations.

Carpet: Polypropylene woven, woven, unitary, latex unitary, polyurethane, hot melt, rubber backings, latex, soft-backed unitary.

Tile: Vinyl composition tile, cork tile, pure vinyl tile.

Sheet Goods: Mineral, felt, paper, rubber backings

Application Instructions

Carpet: Apply the carpet within 15 to 60 minutes after applying the adhesive to ensure proper adhesive transfer to the backing. If you're working with sealed surfaces, it might be necessary to let the adhesive have sufficient open time to become tacky to the touch before carpet installation. Once the installation is done, use a lightweight roller or a carpet tube to roll the carpet.

VCT: The open time ranges from 30 minutes to two hours. Place the tiles, paying close attention to their positioning, as they may not easily slide once placed. Within one hour of laying the tiles, use a 75-pound roller to roll them. Keep foot traffic off the area for 24 hours, and avoid exposing the floor to water for one week after installation.

Sheet Good: Place the sheet goods in the adhesive while it's still wet, within a timeframe of 10 to 60 minutes from applying the adhesive. Periodically lift the corners to check if the adhesive is transferring to the backing of the goods. Right after installation, roll the floor using a 75-pound roller, starting from the center and working your way towards the edges to remove any trapped air. If you're dealing with particularly challenging, curled goods, let the applied adhesive become tacky to the touch before laying the goods to ensure a rapid bond.

LVT/Plank (Wet Lay Method-Porous Substrates): The open time falls within the range of 10 to 30 minutes. In wet lay applications, it's crucial for the adhesive to fully transfer to the backing to achieve the best adhesion. Within one hour of installation, use a 100-pound roller in both directions to eliminate air pockets and establish a strong, secure bond.

Pressure Sensitive Method-Non Porous Substrates: Xcel MFA can be applied either by rolling or troweling as a pressure-sensitive adhesive. When using a roller with a 3/8" nap, you can expect coverage of around 150-200 square feet per gallon, depending on the applied pressure. This adhesive provides sufficient bonding strength for pressure-sensitive installation of an LVT floor. Allow the adhesive to dry until it no longer transfers to the touch.

If you're using a 1/16 x 1/32 x 5/64 trowel, the coverage will be approximately 250-300 sq. ft. per gallon. Spread the adhesive and let it dry until it's dry to the touch, with no adhesive transfer to your fingers. This typically takes around 35-90 minutes, depending on temperature and humidity, or approximately 15 minutes with the assistance of a fan. Avoid installing the flooring before the adhesive is fully ready, as premature installation can result in slippage and gaps between pieces. Follow the manufacturer's guidelines for LVT installation, and be sure to complete it within three hours of the adhesive being open. Maintain the adhesive's cleanliness during extended open times to prevent dust and dirt, which can weaken the bond.

Clean Up

Remove wet adhesive residue with a clean, white cloth dampened with soapy water. Use mineral spirits for dried adhesive residue, carefully following warnings on the container. When using mineral spirits, test a small area before proceeding to make sure it does not damage the surface being cleaned.

Storage and Safety:

The shelf life is 12 months from manufacturing date, provided that it is stored in original packaging, sealed and in a dry place in temperatures from 41°F (+5°C) to 86°F (+30°C). Once the container is open and exposed to the atmosphere, a skin will start to form at the surface over time. If this occurs, remove the skin from the surface before using the material.

Avoid skin and eye contact. For further safety information see the corresponding Safety Data Sheet.