



matting / athletics / flooring

MF BOND IT TECHNICAL DATA SHEET

APPROVED FLOORING TYPES

Sheet goods, Rubber tile and sheet, Linoleum, WPC/WSC, Stair treads (rubber and vinyl), TPE, LVT/LVP, VCT/VET, recycled rubber, bitumen, EM rubber, Foam backing, latex. (see pail for approved trowel sizes)

NOW FEATURING NO MOISTURE TESTING - DOES NOT REQUIRE AN INTACT MOISTURE VAPOR RETARDER (ASTM E-1745)

Installing athletic flooring and matting just got easier. MF Bond It's 1 part system enables simpler and faster installations compared to other 2 part adhesives. MF bond it's waterproof formula creates an effective moisture vapor barrier and can handle surface liquids too. Designed for challenging applications; this adhesive can handle the majority of Edgewood's backing types and handle heavy rolling loads.

APPROVED SUBSTRATES AND SURFACES

APA underlayment grade plywood and OSB
Association grade particleboard
Cement backer board
Concrete and radiant heated subfloors that do not exceed 85°F (30°C)
Existing well-bonded non-cushion-backed vinyl, tile and sheet flooring
Fully secured cork underlayments
Gypsum and lightweight concrete (primed with an approved Primer)
Terrazzo (properly prepared with all waxes and surface finishes removed)

SUBSTRATE TESTING

RH - No testing required (100%) [ASTM F2170]
pH - No testing required (5-14)
MVER - No testing required [ASTM F1869]
CSP - CSP 1+ with ASTM E1745 (under-slab vapor retarder)
CSP2+ without ASTM E1745 (under-slab vapor retarder)

Follow flooring manufacturer's guidelines. Substrate must be prepared per ASTM F710 standards including, but not limited to the following:

Concrete floors must be dry, clean, smooth and structurally sound. They shall be free of any foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, and curing, sealing, hardening or parting compounds. Some substrates will require aggressive mechanical abrading such as a shot blaster, diamond grinder or Diamabrush to remove all surface contamination and provide a porous substrate with a minimum CSP 1+ with ASTM E1745 (under-slab vapor retarder).

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Fill all surface cracks, grooves, depressions, control joints and non-moving joints with moisture-resistant patching and self-leveling compounds, allow to fully cure and correct high spots before applying adhesive.

The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-95°F (15-35°C), and between 30-65% relative humidity, for at least 72 hours before, during and after the installation. When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85°.

PRECAUTIONARY NOTES:

Concrete must be placed in strict accordance with applicable standards and specifications, must be fully cured (at least 45 days) and without hydrostatic pressure.

Flooring must be acclimated per manufacturer's guidelines.

When used as a concrete moisture vapor barrier, substrate must be porous per ASTM F3191.

Do not use over slabs with ASR alkali silica reaction.

Do not use below grade for moisture control. Because of increased potential for hydrostatic pressure

APPLICATION INSTRUCTIONS

MF Bond It may only be used as a wet-set adhesive. Follow flooring manufacturer's guidelines for layout, design and any special precautions for installation.

1. Spread adhesive using required tools (see tool chart below).

Adhesive ridges will dissipate, and MF Bond it does not require back-rolling under normal circumstances.

2. Install flooring per the instructions below dependent upon desired application method. (Do not walk, kneel, or work directly on top of flooring without the proper use of kneeboards for at least 60 minutes after flooring is installed).

Tile products

- Wait 10 minutes after adhesive is spread to build surface tack and reduce movement.
- Working time is approximately 45 min under acceptable temperature and humidity conditions.
- Use a hand roller and apply normal pressure to ensure a good bond.
- Periodically lift flooring material to verify proper transfer of adhesive.

Sheet goods and stair treads

- Install flooring or stair treads immediately after adhesive is spread.
- Working time is approximately 45 min under acceptable temperature and humidity conditions.
- Periodically lift flooring material to verify proper transfer of adhesive.

3. Roll and cross roll floor with a 75-100 lbs (34-45 kg) roller at the end of the installation to ensure proper transfer of adhesive.

- Wait a minimum of 1 hour, but no more than 2 hours, after the installation to roll and cross roll floor.

PRECAUTIONARY NOTES:

Do not use for moisture control if the substrate is not free of contamination and porous with a minimum CSP 1+ with ASTM E1745 (under-slab vapor retarder). CSP2+ without ASTM E1745 (under-slab vapor retarder).

REQUIRED TOOLS AND COVERAGE

**Trowel dimensions are width X depth X spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held.*

Trowel Type: Square Notch	1.6 mm. x 1.6 mm. x 1.6 mm.	(1/16" x 1/16" x 1/16")
Estimated Coverage	3.7–4.4 m ² /l	150–180 ft ² /gal
Without under-slab vapor retarder per ASTM E1745		
Floor Types: Sheet goods, Rubber tile and sheet, Linoleum, WPC/WSC, Stair treads (rubber and vinyl), TPE		

Trowel Type: U Notch	1.6 mm. x 0.8 mm. x 0.8 mm.	1/16" x 1/32" x 1/32"
Estimated Coverage	3.7–3.9 m ² /l	150–160 ft ² /gal
For slabs with under-slab vapor retarder per ASTM E1745		
Floor Types: LVT/LVP, VCT/VET, recycled rubber, bitumen, EM rubber		

Trowel Type: V Notch	3.2 mm. x 3.2 mm. x 1.6 mm.	1/8" x 1/8" x 1/16"
Estimated Coverage	2.0–2.2 m ² /l	80–90 ft ² /gal
Flooring Types: Foam backing, latex		

It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the proper amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.

CLEANING INSTRUCTIONS

While product is still wet: use a damp cloth and water to remove.

While product is still soft: use adhesive remover/stripper, denatured alcohol or mineral spirits. Always check compatibility on a piece of scrap flooring.

PRODUCT CHARACTERISTICS

Product Classification	Modified urethane (isocyanate free)
Base Chemistry	STPE polymer-based (Hybrid Propel)
Curing Method	Moisture cure
Appearance	Off white
Consistency	Smooth, low viscosity liquid
Application	Easy troweling
Flammability	Non-flammable
Freeze/Thaw	Stable to 10 F (-12 C)
Shelf Life	1 Year

MOISTURE

Moisture Control	Protects flooring against unlimited moisture
RH (ASTM F2170)	No testing required (100%)
pH	No testing required (5–14)
MVER (ASTM F1869)	No testing required
Porosity [ASTM F3191]	Must pass CSP 1+ with under-slab vapor retarder (ASTM E1745) or CSP2 without under-slab vapor retarder (ASTM E1745).
Concrete Surface Profile	CSP1+ with ASTM E1745 CSP2 without ASTM E1745 Slab must not be shiny or glossy when used for moisture control

TIME

Open Time	0 min (sheet goods and stair treads); 10 min (Tile products)
Dry Time	n/a
Working Time	45 minutes
Cure Time	6 hours
Pot Life	n/a

TRAFFIC

Light Traffic	3 hours
Heavy Traffic	4 hours
Heavy Rolling Loads	8 hours

SUSTAINABILITY

Solvents	None
Isocyanates	None
VOC (g/l) – SCAQMD Rule#1168	0.1
LEED Points	Contributes to low emitting materials
Certifications	Greenguard, FloorScore, CRI Green Label Plus

ACOUSTICS

IIC*	68 dB
STC*	66 dB

**IIC (delta) and STC (delta) ranges are flooring assembly specific based on third party testing and verification in a controlled environment.*

STORAGE

This product should be stored at temperatures between 50-90°F (15-32° C). While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 10°F (-12°C).

CAUTION

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

WARRANTY INFORMATION

For warranty information, call Edgewood Group at (800)-668-1776, visit us on the web at www.edgewoodgroup.ca or e-mail us at inquiries@edgewoodgroup.ca. Flooring manufacturer's and Edgewood's written pre-installation and installation instructions must be strictly followed or the Edgewood warranty will be void.

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