

Mohawk Total Bond

ADHESIVE FOR HARD AND SOFT SURFACE FLOORING TECHNICAL DATA SHEET (TDS)

Designed with safe, single-part, moisture-cured chemistry, Total Bond is a faster, more install friendly alternative to two-part epoxy systems. Total Bond is engineered for heavy rolling loads and challenging environments, and its waterproof design forms an unlimited moisture vapor barrier that can also take the punishment introduced by topical liquids.

Features & Benefits

- No Moisture Testing Required
- 100% RH
- Very Low Odor
- Extremely Tenacious Tack
- High Shear & Peel Strength
- Made in the USA

CRITICAL: READ THE ENTIRE LABEL BEFORE YOU USE THIS PRODUCT.

Before you Begin

IMPORTANT: PROPER SUBSTRATE PREPARATION IS ESSENTIAL.

- RH: No testing required (100%) (ASTM F2170)
- pH: No testing required
- Porosity-CSP 1+, must pass (ASTM F3191)

Approved Floor Types

- Resilient: Homogeneous Resilient Tile, LVP, LVT, (dryback)
- Sheet: Homogeneous
- Carpet: Modular (hard-backed, soft-backed, walk-off)
- Rubber sheet and tile

Approved Substrates & Surfaces

- APA underlayment grade plywood and OSB
- Cement backer board
- Cementitious and anhydrite screeds
- 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
- Terrazzo (properly prepared with all waxes and surface finishes removed)

Substrate & Surface Preparation

Following the 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. Concrete must be fully cured (at least 45 days), porous (see ASTM F3191),without hydrostatic pressure, without pressurized liquid from any source, and free of surface alkaline salt crystals.

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.

When using a patch and/or light weight concrete, contact manufacture of that product to determine if a primer is needed before using Total Bond.

The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-85°F 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 for 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°F (29°C).

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

Application Instructions

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

Spread adhesive using the required tools (see tool chart below). Adhesive ridges will dissipate and Total Bond does not require backrolling under normal circumstances.

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 knee-boards for at least 60 minutes after flooring is installed).

To protect the product, reseal lid on the adhesive pail while troweling or when not in use.

Moisture protection applications must have 100% adhesive transfer.

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Homogeneous Resilient Tile, Carpet Tile, Rubber Sheet & Tile, LVT

Wait 10 minutes after adhesive is spread to build surface tack and reduce movement.

Working time is approximately 45 minutes under acceptable temperature and humidity conditions.

Use a hand roller and apply normal pressure to ensure a good bond. Working off the product is recommended unless knee-boards are being used.

Periodically lift flooring material to verify proper transfer of adhesive.

Sheet Goods

Install flooring immediately after adhesive is spread, using knee boards when working on top of the product.

Working time is approximately 45 minutes under acceptable temperature and humidity conditions.

Periodically lift flooring material to verify proper transfer of adhesive. Push air bubbles from the center toward the perimeter with hand or hand roller to expel trapped air. Do not leave air bubbles in product.

Roll and cross roll floor with a 75-100 lb 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 installation to roll and cross roll floor.

Required Tools & 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.

It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the correct 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 excess adhesive. While product is still soft, use a remover/stripper, denatured alcohol, or mineral spirits. Always check compatibility on a piece of scrap flooring. After installation, wait 8 hours before wet mopping, stripping, or finishing the floor.

Shelf Life

1 year from date of manufacture in unopened, properly stored container.

Caution

Do not take internally. If swallowed, do not induce vomiting and call a physician immediately.

KEEP OUT OF REACH OF CHILDREN ADHESIVE

Working Time

- Flash Time – 0 minutes
- Working Time – 45 minutes
- Cured Time – 6 hours to heat weld

Traffic

- Light traffic after 3 hours
- Heavy traffic after 4 hours
- Heavy rolling loads after 8 hours

Warranty Information

This product is manufactured according to manufacturing specifications and warranted to be free from manufacturing defects. Defective material called to our attention within one (1) year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control.

Limitation

Cannot be used over substrates which have been chemically cleaned. For further information, please contact Mohawk Group Technical Services at the number shown on the bottom of this page. Do not allow product to freeze. This product should be stored at temperatures between 50-90°F. While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 10°F.

Flooring Types	Tool (images not to scale)		Spread Rate
SHEET (heterogeneous, homogeneous) **CARPET** - modular (hardbacked, softbacked, walk-off) **RESILIENT** (LVP, LVT, Dryback)	1/16" X 1/32" X 1/32" U Notch		180 - 250 ft2/gallon
RUBBER - sheet and tile	1/16" X 1/16" X 1/16" Square Notch		