

TEK MAX™

MOISTURE BARRIER & PRIMER

PRODUCT DATA SHEET

Rev: March 2019

TEK MAX™ - MOISTURE BARRIER & PRIMER

Specially formulated for use with Teknoflor adhesives. TEK Max™ is a one-component, Polyurethane Moisture Barrier and Primer ready for immediate use for permanently blocking capillary moisture, solidifying soft subfloor surfaces, and as a primer for porous and non-porous subfloors.

SUITABLE CONCRETE SUBSTRATES

All concrete surfaces must be structurally sound and fully cured, clean, flat and smooth, dry and free of dust, dirt, wax, grease and oil, marker and paint, and any other deleterious contaminants that may stain the flooring or interfere with a good bond (ASTM F710). Check for and remove all surface contaminants including curing and parting compounds, surface hardeners and sealers which may interfere with primer bond to concrete, as well as loosely bonded toppings, primers and any other deleterious substances that may prevent or reduce adhesion. Surface preparation is critical for new or existing concrete that is power troweled or burnished. Abrade the surface with a Diamabrush 25 grit Removal Tool by Malish® using slow moving, overlapping passes to achieve a CSP 1 surface profile that is porous and free of contamination or use equivalent mechanical method. The prepared concrete surface must be a uniform grey color. TEK Max™ can be used above grade, on grade or below grade. Do not use TEK Max™ on subfloors with hydrostatic pressure or with visible surface moisture.

CONCRETE MOISTURE BARRIER

Use TEK Max™ over properly prepared concrete surfaces when moisture testing exceeds adhesive limits.

TEK Max™: Up to **99.0% RH** (ASTM F-2170) or up to **18.0 lbs. MVER** (Moisture Vapor Emissions Rate) (ASTM F-1869).

One Coat: **90.0% RH** and/or **12 lbs. MVER**

Two Coats: **99.0% RH** and/or **18 lbs. MVER**

SURFACE PRIMER

Wood/Gypsum/Concrete substrates - Use a single coat of TEK Max™ to prime Gypsum, standard concrete, lightweight concrete and APA plywood, particle board and or other suitable substrates which are approved by their manufacturer for the specified use conditions and suitable for fully bonded resilient flooring installations.

Terrazzo and ceramic tiles - Existing terrazzo and ceramic tiles must be fully adhered to the subfloor. Remove all finishes and maintenance product residue and other materials or contaminants that may inhibit adhesion. Abrade surface with 40 or 60 grit sandpaper to ensure a strong mechanical bond.

APPLICATION AND COVERAGE

Shake TEK Max™ well before use. Pour TEK Max™ into a paint tray and apply each coat by using a ¼ inch nap roller. Apply with broad strokes to a thin even continuous coat without puddling or dry spots.

When applying two coats it is recommended to apply the second coat perpendicular to the first.

When the coating has dried, any bumps in the coating from debris shall be removed with a 120 grit screen. Failure to remove any bumps can result in visible bumps in the finish flooring.

The following adhesives are approved for direct glue-down over TEK Max™:

- TEK ONE™ Transitional Pressure Sensitive Adhesive
- TEK FIVE™ Modified Silane Flooring Adhesive
- TUF STIK™ 150 Spray Adhesive
- TUF STIK™ 9000
- Upofloor® 5300
- Upofloor® 5900

Coverage is up to 400 SF per gal. (1,000 SF per unit) for a single coat. Coverage depends on surface porosity, smoothness and number of coats.

AFTER APPLICATION

When TEK Max™ is dry to touch (usually 45-60 minutes per coat) and within 72 hours, finish the installation. When surface smoothing is necessary, apply a non-porous primer then apply the smoothing compound. Use a high quality 3,500 psi cement or calcium aluminate smoothing and patching underlayment in accordance with the underlayment manufacturer instructions. Install flooring when surface preparation is complete.

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PHYSICAL PROPERTIES

Base:	Polyurethane Resin
Appearance:	Amber color
Curing time:	Approximately 45-60 minutes per coat
Shelf life:	One year in unopened container at 70° F (21° C).
VOC Content:	0 g/l US regulatory
Clean up:	Wet: Clean cloth with mineral spirits Dry: Cannot be removed when cured
Freeze-Thaw:	Not sensitive to cold but should be maintained above 40° F (5° C). Freeze-thaw stable. Must be warmed to room temperature before use.
ASTM E 96-05:	Water Vapor Transmission 0.138 g/m ² x h @ approx. 8 mils (2 coats) Permeance (perms) 0.47 @ approx. 8 mils (2 coats)
LEED:	May contribute to LEED points under EQ 4.1
Container Size:	2.5 Gallons
Coverage:	1 Coat: Up to 400 SF per Gal. (Up to 1,000 SF per unit) 2 Coats: Up to 200 SF per Gal. (Up to 500 SF per unit)
Weight:	25 Lbs.
Place of Manufacture:	European Union
Other features:	Water proof when cured, VOC compliant, non-flammable. Made without anti-microbial agents as the moisture barrier/primer does not promote fungal growth.

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

WARRANTY INFORMATION: This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one 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.

FIRST AID: If swallowed, do not induce vomiting. Immediately call for medical help. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. For eye contact, immediately remove contact lens and rinse with eyes wide open with plenty of water for several minutes. In case of skin contact, immediately wash skin with soap and plenty of water and rinse thoroughly. If possible, also wash with polyethylene glycol 400 and rinse thoroughly. Do not use solvents or thinners. Remove contaminated clothing or shoes. Seek medical help if irritation occurs. Wash clothing before reuse. 24 HR EMERGENCY CONTACT: CHEMTREC 800.424.9300 CONTACT ID: CCN794556

FIRE FIGHTING: In case of fire use alcohol resistant foam, dry chemical, carbon dioxide, or water spray. Use self-contained breathing apparatus and full protective clothing.