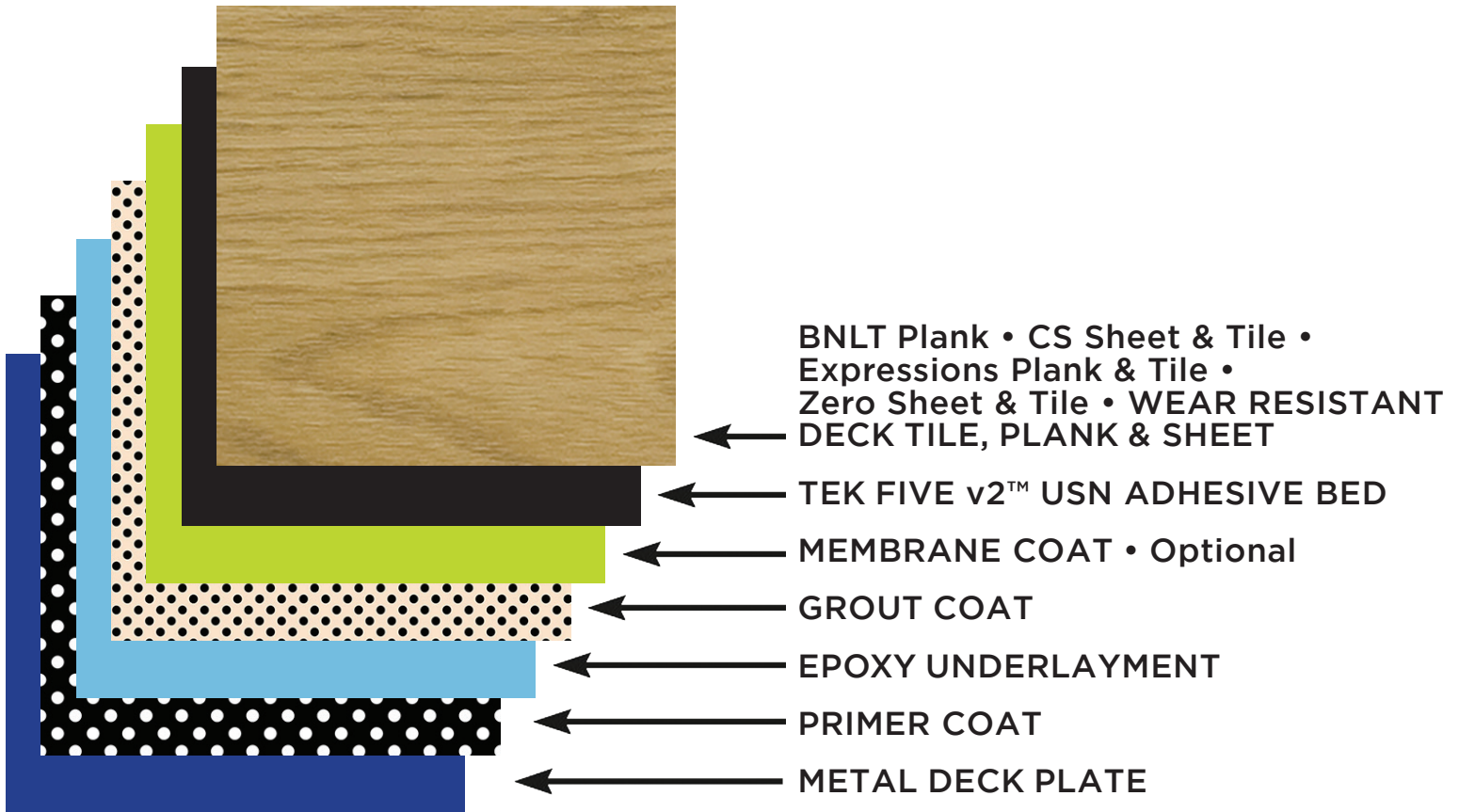


# TEKNOFLOR®

BNLT Plank • CS Sheet & Tile • Expressions Plank & Tile • Zero Sheet & Tile  
**USN WEAR RESISTANT DECK TILE, PLANK & SHEET ASSEMBLY**  
**MIL-PRF 32170 • QPL Listed**

Date: August 2021



Deck Covering cuts easily with a utility knife - Use of heat is optional.

**Substrate Flat to within 3/16" in 10 ft. in 360°.**

TEMPERATURE FAHRENHEIT/CELSIUS	FLASH TIME	WORKING TIME	ROLL DECK COVERING 1ST / 2ND COVERING	ADHESIVE FULLY CURES
50 / 10.0	10-30 Minutes	30 - 50 Minutes	Use Roller as you install. 1st Full Roll (up/down then left to right) with 100 lb., 3-section roller when finished or at 60 minutes after applicator. Weigh down as needed. Check for any bubbles and reroll as needed 2 Hours after adhesive application.	24 Hours
60 / 15.6	10-30 Minutes	30 - 50 Minutes		24 Hours
70 / 21.1	10-30 Minutes	30 - 50 Minutes		24 Hours
80 / 26.7	10-30 Minutes	30 - 50 Minutes		24 Hours
90 / 32.2	10-30 Minutes	30 - 50 Minutes		24 Hours

#### RECOMMENDED TROWEL

TYPE OF INSTALLATION	TROWEL SIZE* AND NOTCH	COVERAGE
Tile • Plank • Sheet	1/16" W x 1.32" D x 1/32" S U-Notch 1.6mm x 0.8mm x 0.8mm U-Notch	Up to 260 sq. ft./gallon Up to 6.3 sq. meters/liter

\*Trowel dimension is width x depth x spacing. Coverage is approximate. *IT IS THE INSTALLERS RESPONSIBILITY TO APPLY THE PROPER AMOUNT OF ADHESIVE FOR THE JOB CONDITION.*

POINT OF CONTACT: PHILIP "P. J." HUGHES

phone: 937.829.8316 • email: phughes@teknoflor.com • teknoflor.com

## PRODUCT INFORMATION

Specially formulated for use with all Teknoflor®, TUF STUF™, Upofloor, CS Collection™ and LT Plank products. TEK FIVE v2™ is an advanced moisture cured silane adhesive featuring high aggressive peel and shear strength. This Zero VOC, solvent-free, nonflammable, easy troweling product is the optimal choice for installing a broad variety of flooring products including Bio Polyurethane, Vinyl and Ionomer based (PVC-Free) products in homogeneous or heterogeneous construction over porous and non-porous surfaces. TEK FIVE v2™ has low odor, is very easy to use and demonstrates excellent water, alkali and plasticizer resistance.

## MANUFACTURER DATA

Teknoflor®  
1005 South 60<sup>th</sup> Street  
Milwaukee, WI 53214 USA  
Deck covering installation for MIL-PRF-32170A

Contact: Philip "PJ" Hughes

Phone: 937.829.8316

Email: [phughes@teknoflor.com](mailto:phughes@teknoflor.com)

## MATERIAL STORAGE & HANDLING

Upon receipt, immediately remove shrink wrap and confirm materials are correct color, style and quantity for each Batch with consecutive roll numbers for sheet goods. Carefully check all materials for shipping damage. Note any damage on bill of lading when signing for delivery. Visible damage not reported on bill of lading is your responsibility. Report discrepancies immediately to Teknoflor Customer Service at (414) 771-9166.

Store all flooring products and accessories in a dry interior area maintained between 50° to 90° Fahrenheit (F) or 10° to 32° Celsius (C). Using outside temporary storage and other uncontrolled storage locations may result in unintended installation issues including bond failure, gapping or buckling and is not covered under the product warranty.

Handle materials with care to prevent unintended damage.

**TILE & PLANK FLOORING** - Keep all tile and plank flooring stored on pallet with cartons squarely stacked one on top of another. Do not stack more than 12 cartons high and do not double stack pallets.

**SHEET FLOORING** - Once received, unstrap all rolls from pallet and store upright with capped end down. This helps prevent distortion, and compression.

## SURFACE PREPARATION

**Always perform a bond test prior to installation.**

All substrates must be sound, clean, flat and smooth, dry and free of dust, dirt, wax, grease, oil, marker or paint, and any deleterious contaminants that may stain the flooring or interfere

with a good bond (ASTM F710). Concrete must be fully cured, meet specified moisture limits and shall be free of incompatible curing compounds, sealers, release agents or other additives or treatments that may interfere with a good bond.

Use a high quality suitable 3,500 psi underlayment in accordance with the manufacturers' instructions. Do not fill expansion joints or other moving joints. Follow the current product instructions for preparation and installation over specific substrates. It is the sole responsibility of the installer/contractor to ensure the substrate is suitable and is properly prepared prior to installation.

### SUITABLE SUBSTRATES

Properly prepared double layer wood subfloors with a minimum 1 inch total thickness using APA or other suitable ¼ inch or thicker underlayment grade plywood (prepared in accordance ASTM F1482); terrazzo; ceramic; existing well adhered non-cushion vinyl tile and vinyl sheet goods; radiant heated subfloors where surface temperatures do not exceed 85° F (29° C); and above, on, or below grade concrete (prepared in accordance with ASTM F710). Teknoflor, CS Sheet & Tile, LT Plank and all Upofloor products shall only be installed directly to the properly prepared base subfloor and not over existing flooring.

### SUBFLOOR MOISTURE LIMITS

CONCRETE: **95.0% RH** (ASTM F-2170) and/or **12.0 lbs. MVER** (Moisture Vapor Emissions Rate) (ASTM F-1869).

With TEK Max™: **99.0% RH** and/or **18 lbs. MVER - 2 coats**

WOOD: Readings Between the subfloor/structural wood And underlayment panels must be within 2% of each other and normal and acceptable for your region of the country. If moisture test results exceed the acceptable levels for your region, apply a single coat of TEK Max to the underlayment.

**WARNING: Failure to comply with the critical steps listed below may result in problems with the installation of our products.**

## INSTALLATION PREPARATION

**The jobsite floor and room temperature must be maintained at 65° - 85°F, and humidity between 40% - 65% for a minimum of 48 hours before, during and after installation, along with the material, adhesives, patch and other temperature/humidity ancillary items.**

The installation site must be acclimated with HVAC in operation for a minimum of 1 week and preferably 2-3 weeks before starting. The adhesive, floor covering and subfloor surface to receive flooring must be acclimated to stable temp. within 3° F of each other between 65° to 85° F (18° to 29° C) and at a Relative Humidity (RH) of 35% to 65% before during, and after

installation. Do not install if the air RH is below 35%. Refer to the Teknoflor Installation Guidelines for detailed instructions.

## INSTALLATION

When all preparatory work is satisfactorily completed, proceed with the installation. Inspect flooring for visual defect before installing. Installation implies acceptance of materials.

The installation area must have good lighting, remain free of dirt and debris and free from traffic during the installation and after installation as specified.

TEK FIVE v2™ adhesive must be installed wet-set. To wet-set, apply adhesive with the appropriate trowel and allow 10-30+ minutes air/open time. Lay tile, plank or sheet goods into wet adhesive according to instructions to achieve a 100% adhesive transfer to the back of the flooring. Allowing for the proper open time will allow the adhesive to develop its grab and minimize slippage. This is determined by the room's relative humidity.

	Room RH	AIR/OPEN TIME
Low	35% RH	30+ minutes
	50% RH	15-25 minutes
High	65% RH+	10-15 minutes

Immediately roll the flooring with a 100 lb. three section roller in both directions and hand roll the perimeter and seams to ensure complete contact between adhesive and flooring and that all trowel ridges are completely flattened. Re-roll the flooring after one hour. The General Contractor and or the Flooring Contractor are responsible to protect the installation with appropriate protection until the adhesive has cured and until the flooring is turned over to the owner.



Multi section roller



Hand Roller



Laminate Roller

### Recommended Trowel and Coverage Rate

Type of Installation	Trowel Size* and Notch	Coverage
Sheet/Tile/Plank Flooring	1/16" W x 1/32" D x 1/32" S U-notch 6mm x 0.8mm x 0.8mm U-notch	Up to 260 Sq. ft./gallon

\*Trowel dimensions are width x depth x spacing. Adhesive coverage is approximate and may vary. **IT IS THE INSTALLERS RESPONSIBILITY TO APPLY THE PROPER AMOUNT OF ADHESIVE FOR CONDITIONS.**

## CURING TIME AFTER INSTALLATION

**Heavy foot traffic should be restricted for a minimum of 24 hours after installation. Rolling loads and furniture placement should be restricted for 72 hours.**

Premature traffic can cause indentations, gapping and movement and other installation issues.

## PHYSICAL PROPERTIES

Base:	Modified Silane polymer
Appearance:	Smooth, creamy, easy to trowel. Off-white in color.
Flash Time:	Approximately 10-30+ minutes
Working Time:	Approximately 20-40 minutes at the recommended temperature and humidity.
Total Open Time:	Up to 60 minutes depending on climate Conditions.
Shelf life:	1 year in unopened container at 70°F (21°C).
VOC Content:	0 g/l when tested in accordance with SCAQMD Rule 1168
Clean Up:	WET - use alcohol wipe or clean cloth dampened with mineral spirits or denatured alcohol. DRY - Carefully remove with plastic putty knife or rub off with finger.
Freeze-Thaw:	Not sensitive to cold but should be maintained above 40° F (5° C). Freeze-thaw stable.
LEED:	May contribute to LEED points under EQ 4.1.
FloorScore Certified:	SCS-FS-06022
Container Size:	3 gallons
Weight:	35 lbs.
Manufactured:	European Union
Other features:	Waterproof when cured, VOC compliant, non-flammable. Made without anti-microbial agents as the adhesive does not promote fungal growth.

## 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 & FIREFIGHTING

**CAUTION:** DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately.

KEEP OUT OF REACH OF CHILDREN.

**FIRST AID:** Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. 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

**FIREFIGHTING**

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

**POINT OF CONTACT**

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Fed Gov / DoD / GSA Account Manager  
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