

Recommended for Use With Radiant Heat Systems

See Reverse for
More Information ▶



TEC® Fiber Reinforced Underlayment



Are you looking for a reliable self-leveling underlayment for radiant heat systems? At 6,000 psi, TEC® Fiber Reinforced Underlayment produces a strong, smooth surface you can count on. The triple-fiber reinforced formulation allows you to eliminate the step of applying lath over wood substrates, so you can expedite your floor warming installation while getting the performance you need.

Pour or pump in Fiber Reinforced Underlayment for an ultra-strong, smooth surface that doesn't require lath over wood.





Fiber Reinforced Underlayment

TEC® Fiber Reinforced Underlayment is an extreme-performance triple-fiber reinforced, fast curing, pumpable / pourable, cement-based, self leveler that provides a smooth, very strong finished surface. Ideal for the installation of all types of floor covering, including carpet, ceramic or natural stone tile, resilient, laminate flooring and wood flooring, it is designed for use over a variety of substrates, including single-layer wood subfloors or radiant heating systems—see limitations and proper installation instructions in the product data sheets on tecspecialty.com. For details about TEC® product or system warranties, contact your sales associate or visit tecspecialty.com.



Triple fiber-reinforced; extremely low shrinkage



No reinforcement mesh required over wood substrates*



Walkable in 2-4 hours; install flooring as soon as 6 hours

Features and Benefits

- For use with radiant heat systems
- Calcium aluminate technology for rapid strength development
- Can be applied directly over new or moist concrete [15 lb. per 1000 ft² (0.07 kg/m²) per 24 hours, RH 95% or lower]
- Thickness ranges from 1/16" (1.6 mm) up to 1 1/2" (38 mm) depth in a single pour
- 6000 psi compressive strength
- Contributes to LEED® project points
- Zero VOC; 10% pre-consumer recycled material

*See section 5 for wood substrates installation guidelines on product data sheet.

Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete
- Ceramic, porcelain, or quarry tile
- Cement or epoxy terrazzo
- Cement backerboard
- Exterior grade plywood
- Oriented Strand Board (OSB)
- VCT or full glued down, non-cushioned vinyl sheet goods
- Existing tongue and groove wood flooring
- Gypsum substrates—minimum tensile bond strength 72 psi (0.5 MPa)

Packaging

50 lb. plastic bags (22.68 kg)

Product #7052253113

50 lb. moisture-resistant bags (22.68 kg)

Product #7052253117

Coverage

Coverages shown are approximate. Actual coverages may vary according to substrate conditions and thickness of applications.

Application Depth	Approximate Coverage per 50 lbs. (22.68 kg)
1/8" (3 mm)	44-50 sq.ft. (4.1-4.6 m ²)
1/4" (6 mm)	22-27 sq.ft. (2.0-2.5 m ²)
1/2" (12 mm)	11-13 sq.ft. (1.0-1.2 m ²)
1" (25 mm)	5-6 sq. ft. (0.5-0.6 m ²)

Technical Data

Description	Test Standard	Typical Results
28 Day Compressive Strength	ASTM C109	6000 psi (41.0 MPa)
28 Day Flexural Strength	ASTM C580	1200 psi (8.2 MPa)
Tensile Strength	ASTM C307	350-400 psi (2.4-2.7 MPa)
28 Day Shrinkage	ASTM C531 (Modified)	0.025-0.050%

Physical Properties

Description	
Physical State	Dry powder
Color	Gray
Working Time	15-20 minutes
Walkable Hardness	2-4 hours ¹
Flooring Installation*	Permeable Coverings: 6 hours ¹ Non-Permeable Coverings: 12-24 hours ¹
Ideal Slump Range**	Ideal Slump Range** 10.5"-11.5" (22.6-29.2 cm)
Storage	Store in cool, dry location. Do not expose to nor store in direct sunlight. After opening, remove air from bag and seal tightly.
Shelf Life	Maximum shelf life is from date of manufacture in properly stored, unopened package. Plastic bag: 1 year Moisture-resistant bag: 1 year

To learn more, visit TECSpecialty.com



TEC Specialty Products LLC | 1105 South Frontenac Street, Aurora, IL 60504-6451



@TECInstallationSystems



tecinstitutionsystems



TECInstallationSystems



TEC Installation Systems

¹Colder temperatures and higher humidity will extend cure times.
^{*}Flooring material installation within hours shown above after application is dependent on thickness, drying conditions, and type of flooring.
^{**}Ideal slump range is based in 2" (5 cm) diameter plastic/metal pipe by 4" (10 cm) high.