



TENON[®]

Shield WB



Advanced Moisture Defense

Tenon[®] Shield WB is a penetrating silane/siloxane water repellent for concrete, masonry, brick, stone, stucco, and pavers. It provides long-lasting, breathable protection against water intrusion, chloride penetration, carbonation, freeze-thaw damage, efflorescence, and chemical erosion without changing surface appearance. Reduces water absorption by up to 94% and delivers 100% reduction in water penetration and leakage per ASTM E514.

Features:

- ASTM E514 proven, 100% leak protection
- Up to 94% less water absorption
- Long-term silicone protection
- Resists carbonation and chlorides
- Breathable and UV stable
- Won't change surface appearance
- Cold-weather application
- Water-based, low odor, VOC compliant



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Uses

- Vertical & horizontal concrete
- Concrete block
- Concrete pavers
- Natural stone
- Stucco
- Brick

Typical Values	
Physical State & Appearance	Milky white liquid
pH	9
Odor	Slight
Solids by Weight	10%
Solvent System	Aqueous
Volatile Organic Content - VOC of the Material (SCAQMD 113)	<50 g/L
Active Ingredients	Silane/Siloxane Emulsion
Density of Liquid Coatings (ASTM D1475)	8.2 lbs./gal.
Accelerated Weathering - QUV (ASTM G154)	2,000 hours UV-B cycled with condensation - no effect
Accelerated Weathering - Carbonarc (ASTM G152)	Pass - no effect
Water Penetration & Leakage (ASTM E514)	100% reduction, no staining or leakage
Water Vapor Transmission (ASTM E96)	100%
Resistance to Salt Spray (ASTM B117)	Pass - no effect
Moisture Absorption (ASTM C140)	Reduction compared to control 94%
NCHRP 244 Series II Reduction in Chloride Ion Intrusion	82%

Available In:

Tenon® Shield WB is available in a 1 gal. bottle, 5 gal. pail, and 55 gal. drum.



55 Gal
BOM #115386



5 Gal
BOM #115213



1 Gal
BOM #115214

For professional use only.

It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use. For technical assistance, please contact TCC Materials. To acquire technical and safety literature, please visit our website.



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