

# Floor Seal

## A High Performance Urethane Seal for Wood and Concrete Floors

**Composition:** Floor Seal is a one-part moisture-curing urethane designed to maintain and protect concrete and wood floors.

**Basic Use:** Floor Seal is designed for use in traffic aisles, loading docks, store rooms, office buildings, schools, and public buildings. Can be easily applied by in-house crews. Where wet conditions prevail an aggregate may be used to maintain a slip-resistant surface.

**Approvals:** Floor Seal has the Underwriters Laboratory's seal of approval for slip resistance.

**Limitations:**

Floor Seal should not be used in certain chemical environments. Consult your local Tremco Representative.

- Floor Seal will yellow when exposed to ultraviolet light.
- Do not apply Floor Seal in areas of intermittent wet and/or dry heat above 60°C (140°F).
- Do not apply below 16°C (60°F).

**INSTRUCTIONS FOR USE:**

**Preparation:**

**Maintenance Use:** Floor surface must be clean, dry and free of waxes, chemicals and greases. Before seal

is applied, check for hydrostatic pressure. It may be possible to seal over an existing system. It is imperative that compatibility of materials and adhesion properties be determined prior to installing Floor Seal. It is strongly recommended that existing seals be removed.

**New Concrete:** New concrete must be free of all cure and seals and allowed to cure 28 days. After curing, lightly etch with 1 0% solution of muriatic or phosphoric acid (for metallicly hardened floors). Rinse thoroughly with water and allow to dry.

**Application:** Apply Floor Seal with lamb's wool applicator or short nap roller. Avoid excessive rolling to avoid foaming. Apply second coat when first coat is dry (2 to 4 hours). Avoid puddles or heavy accumulations. Allow 8 to 10 hours curing time before subjecting floor to limited foot traffic. Allow overnight cure before exposure to more extensive traffic.

Apply second coat within 24 hours of first. If surface has cured longer than 24 hours, prepare by surface abrasion.

**Coverage:** 7.4-8.6 m<sup>2</sup>/L (300-350 sq. ft./U.S. Gal.) per coat. Two coats recommended. Rates may vary depending on surface conditions.

**Cleaning:** All tools and equipment should be cleaned with Mineral Spirits.

**Precautions:** Use Floor Seal with adequate ventilation. User must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.

**Safe Handling Procedures:** Avoid skin contact to prevent possible irritation. If contact occurs, wash immediately with warm water and soap. Exposed food can become contaminated by vapours. Cured film is not toxic to skin contact.

**Storage Life:** 6 months shelf life.

**Packaging:** 18.9L (5 U.S. Gallon) containers.

**Colour:** Clear

**Availability/Cost:** Immediately available from Tremco Ltd. at strategic locations throughout Canada.

Product Advantages	
Features	Benefits
One-part urethane	• No mixing required
High-flexibility	• Reduce cracking of film caused by vibration of machinery and traffic
	• Increased impact resistance
Rapid drying time	• Permits faster use of floor and faster applications of subsequent coats
UL slip-resistant	• Floors become safer as well as more attractive
Clear finish	• Lightens plant interiors



*Roofing & Weatherproofing Peace of Mind™*

Cost data is available from your local Tremco Representative. For name and telephone number of your local Tremco Representative, call: 416/421-3300 in Toronto, 514/521-9555 in Montreal or 800/263-6046. In the U.S. call 216/292-5000 or 800/852-6013.

**Guarantee/Warranty:** We warrant our products to be free of defects and manufactured to meet published physical properties when cured and tested according to ASTM, CGSB and Tremco standards. Under this warranty, we will provide, at no charge, additional product to replace any product proved to be defective when applied in accordance with our written instructions and in applications recommended by us as suitable for this product.

All claims concerning product defect must be made within twelve (12) months of shipment. Absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty is in lieu of any and all other warranties expressed or implied.

**Maintenance During Warranty Period:** Written notice to Tremco within thirty (30) days is required after any alleged defect is noticed.

**Technical Services:** Your local Tremco Representative, in conjunction with Tremco Engineering Service Department, provides problem analysis and assistance in developing recommendations for special applications. On-site instruction can generally be provided at a nominal charge. Their services are complemented and extended by Tremco's Research and Development Laboratory, which has earned a unique reputation in weather-proofing technology.

**Statement of Policy and Responsibility:** Tremco takes responsibility for the furnishing of quality materials, and providing specifications and recommendations for their proper installation.

Tremco does not, either itself or through its representatives, practice architecture or structural engineering. Tremco offers no opinion on, and expressly disclaims any responsibility for, the structural soundness of any substrate on which its products may be applied.

Opinions of competent structural engineers should be obtained as to the structural soundness of the substrate, or its ability to properly support the contemplated installation. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

Physical Performance Characteristics		
Floor Seal		
Property	Typical Value	Test Method
Impact resistance min	9 N•M (80 in. lb)	ASTM G 14-83
Adhesion to concrete	1.4 MPa (205psi)	ASTM D 4541-85
Hardness (Sward)	0% soften	ASTM D 2134-65 (1980)
Slip resistance	0.8	ASTM D 2047-82 (1988)
Abrasion resistance Taber abrader, SC-17 wheel, 1,000 g load, 1000 cycles, max weight loss	0.04 g	ASTM D 4060-84
Colour (Gardner)	1	ASTM D 1544-80
Solids by weight	38%	ASTM D 2369-86
Flammability rate	Non-burning	ASTM D 635-81
Viscosity	500 mPa's (500 cP)	ASTM D 2196-81
Flashpoint	26°C (79°F)	ASTM D 3278-82

**TREMCO**

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