

TS202 Acrylic Topical Sealer WB-25 w/ Low Gloss

*Low VOC, Water Based Curing Agent & Sealer
for Decorative Concrete, Pavers & Exposed Aggregate*

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Product Description

TS202 is a 25% solids high performance proprietary formulation of non-yellowing pure acrylic polymer resin in a <100 g/L VOC water base. It can be used as a curing agent for newly placed concrete or for sealing existing decorative concrete, pavers, or exposed aggregate. TS202 provides durable protection, color enhancement, and low gloss "satin look" appearance. It combats freeze/ thaw, restricts water and moisture, limits dirt buildup and stains, retards mold and mildew, blocks efflorescence, increases surface durability, and reduces scaling and spalling. The TS202 can also be used to mitigate dusting on most existing concrete surfaces. It is also UV resistant and nonyellowing. It can also be used as a joint sand stabilizer for interlocking stone, pavers, and brick. It locks pavers in place, prevents erosion of joint sand, and reduces growth of weeds. TS202 has a milky white appearance. Upon proper application, the substrate will have a "satin look" with low gloss finish when dry.

Recommended Uses

TS202 was originally developed for commercial and industrial applications and is widely used throughout North America to this day for those applications. Concrete Sealers USA is now also making this professional grade sealer available to the residential market so small contractors, applicators, and do-it-yourselfers can enjoy the same superior benefits that architects, engineers, and large contractors have enjoyed for years. TS202 is recommended for curing newly finished concrete and for sealing existing concrete surfaces such as decorative concrete, stamped concrete, acid stained concrete, stenciled concrete, overlaid concrete, exposed aggregate, brick or stone pavers, concrete pavers, and other broom finished or troweled finished concrete surfaces. It is ideal for sealing commercial and residential interior concrete floors, garage floors, driveways, sidewalks, walkways, porches, steps, pool decking, and patios. Also highly effective as a joint sand stabilizer and weed inhibitor for interlocking stone, pavers, and brick. Suitable for horizontal or vertical and interior or exterior applications. Its low odor makes it ideal for indoor applications or other enclosed areas.

Product Characteristics

SDS Information / Physical and Chemical Properties

Boiling Point:	212° F	Solids:	25%
Vapor Pressure:	N/A	Blush Resistance:	Good
Solubility in Water:	Yes	Solvent Resistance:	Superior
Evaporation Rate:	N/A	Concrete Adhesion:	Excellent
Appearance and Odor:	Milky White w/ Mild	Finish:	Clear/Low Gloss
Specific Gravity:	(H ₂ O-1):1.03	Drying Time**:	Dry to touch 1-2 hours; traffic 4-6 hours; wheel traffic 24-48 hours
% Volatile by Volume:	<100 g/L	Re-Coat Time:	4-6 hours
pH:	8-9	Shelf Life:	2 years unopened
Flashpoint:	>212° F		
Flammable Limits:	Lower Limit: N/A; Upper Limit: N/A		

Coverage Rates*: 250-350 sq. ft./gal. cure and seal. 350-400 sq. ft./gal. additional coats.
350-400 sq. ft./gal. existing substrates. 350-400 sq. ft./gal. additional coats.

*Coverage rates are approximate and for estimating purposes only. Application rate based upon porosity and absorption. Always test absorption prior to application.

**Drying times are for estimating purposes only. Actual drying time is based upon temperature, humidity, and air flow.

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Performance Characteristics

ASTM C1315 Curing and Sealing Concrete:	Type 1 & 2, Class A--Complies
ASTM C309 Curing Concrete:	Type 1 & 1D, Class A & B--Complies
AASHTO M148 Curing Concrete:	Type 1 & 1D, Class A & B--Complies
ASTM C156 Moisture Retention:	0.042 g/cm ²
ASTM D1653 Moisture Vapor Transmission:	<0.5 mg/cm ² per mm in 24 hours
CRD5250 Abrasion Test:	21.77 g weight loss

Color

TS202 has a milky white appearance. Upon proper application, the substrate will have a "stain look" with low gloss finish when dry.

Ordering & Shipping Information

Packaging:	1 gal. Jugs 5 gal. Pails 55 gal. Drums
Shipping:	Normal package delivery and trucking

Surface Preparation

The surface must be structurally sound and porous enough to allow penetration and adhesion. Surfaces should be clean and free of surface laitance, dust, dirt, debris, mildew, oil, grease, previous sealers, curing agents, paint or other surface coatings, and other contaminants. On smooth troweled concrete or other dense surfaces, where water does not readily absorb, it may be necessary to mechanically abrade or acid etch the surface to promote proper adhesion. If acid or other cleaning compound is used for cleaning or etching the surface, neutralize the surface completely before application of TS202. Prior to application, any surface defects, cracks, voids, and joints must be properly sealed or filled.

Application

Always test adhesion prior to application. Surface should be dry for proper application of sealer. Wet or damp surface may result in white appearance and poor adhesion. Product is a one part system and requires no special mixing. Stir material thoroughly before and during application. Do not apply below 50°F or above 85°F during the application and drying period or to exterior surfaces if rain is expected within 24 hours after application. Apply with low pressure sprayer or medium nap roller for best results. For existing substrates, apply a thin uniform film to ensure complete coverage of the surface while avoiding any excesses. If a second coat is desired, wait approximately 4-6 hours between coats. Full drying time is approximately 24-48 hours. A second coat will yield a higher gloss and enhance overall surface protection. Two thin coats is better than one heavy coat. Over application may result in white haze, bubbles or poor adhesion. For freshly placed substrates, apply TS202 after all bleed water is gone, finishing is complete, and the concrete will withstand the weight of a person and not be marred. Apply an even coat to ensure complete, uniform coverage of the surface. Over application may result in whiteness which generally dissipates with time or final sealer application. For joint sand stabilizer and weed inhibitor, apply with low pressure sprayer and saturate all sand joints. Clean application materials with warm water. If not cleaned immediately, the sealer may leave a residue. Dried sealer can be removed with solvents.

Limitations

TS202 is designed to work only on concrete and masonry substrates and is not intended for asphalt. This product may damage vegetation. Avoid contact with glass, vinyl, plastic, wood, and metal. Sealer may be damaged if frozen prior to use. Not intended to seal cracks or for use where severe hydrostatic pressure is present. Will not remediate structurally unsound surfaces with defects. The coefficient of friction of the surface may decline with each sealer application. This can be offset by applying an anti skid compound (ex. sand) when sealer is still wet and prior to it drying. The Company does not warranty specific performance results or compatibility with products manufactured by others. The Company shall bear no liability, other than replacement of defective product. A small test must be conducted prior to application. Based upon this test, the purchaser shall determine for themselves the suitability of this product for the intended use.

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Environmental & Regulatory

TS202 contains no solvents and <100 g/L Volatile Organic Compounds (VOC). This product is considered a non-hazardous chemical under OSHA Hazard Communication Standard (29CFR 1910.1200). Contact may cause skin or eye irritation. Using with adequate air ventilation, eye protection, and gloves is recommended.

Safety & First Aid Precautions

Eyes: Flush with water for at least 15 minutes.
Skin: Wash thoroughly with soap and water.
Inhalation: Move subject to fresh air.
Digestion: Consult physician immediately.