

CONCRETE SEALERS USA

Professional Concrete Solutions You Can Trust

1 US Gallon (Parts A and B)

Product Description

TS210 is an environmentally friendly, two component, water based, odorless, low VOC, high performance proprietary acrylic modified aliphatic polyurethane. It is ideal for most smooth troweled porous cementitious surfaces where oil repellence, stain resistance and cleanability are needed. It was developed using the latest advances in polyurethane polymer nanotechnology and also incorporates a new generation of polyacrylate dispersions. This state of the art formulation provides for a highly crosslinked coating that allows for both maximum penetration and superior chemical adhesion to minimally profiled cementitious surfaces. Unlike more traditional coatings, this sealer when properly applied, is not susceptible to lifting, peeling, or delaminating due to the very strong covalent bonds it forms with surfaces. The low molecular weight of the TS210 also results in an ultra-thin protective coating that is breathable but, at the same time, provides an extremely hard, durable, and abrasion resistant surface. The product is also resistant to hot tire pickup. The product offers exceptional 24-hour chemical and stain resistance to most common contaminants including oil, grease, water, salts and deicing chemicals, and most common food items. The product can also help reduce dirt buildup, mold and mildew, dusting, efflorescence, freeze/thaw damage, and scaling and spalling. The TS210 is UV resistant and will not break down or yellow in the presence of UV rays. The TS210 does not materially alter the appearance of surfaces and is ideal for maintaining more of a natural look or "matte" finish. With the thin application rates and high coverage rates for this product, the sealer makes for a very cost effective solution when compared to more costly high build coating alternatives like epoxies, epoxy/urethane combinations, polyureas, and polyaspartics. The TS210 also serves as a more durable alternative to traditional acrylic sealers.

Recommended Uses

TS210 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.

TS210 is recommended for interior machine troweled, burnished, polished, and stained or colored concrete substrates. Product can also be used on exterior decorative concrete, stamped concrete, acid stained concrete, stenciled concrete, overlaid concrete, exposed aggregate, brick or stone pavers, concrete pavers, broom finished, or smooth troweled surfaces. It is ideal for use in parking garages, warehouses, distribution centers, convention centers, public buildings, grocery stores, retail stores, restaurants, office buildings, workshops, storage buildings, and garage floors. It is also suitable for plazas, courtyards, balconies, driveways, sidewalks, walkways, porches, steps, pool decking, and patios. The TS210 is acceptable for use on floors and surfaces subject to USDA and FDA inspections and regulations.

Limitations

TS210 is designed mainly to work on porous smooth troweled concrete substrates. It is not intended to be used on surfaces sealed with topical coatings such as acrylics, epoxies, polyurethanes, polyureas, and polyaspartics. It is also not suitable for wood, metal or non porous concrete, brick, or stone. Protect all surfaces that are not intended to receive the product. Product should only be applied in thin applications. Do not over apply. The coefficient of friction of the surface may decline with each sealer application. This can be offset by applying an anti skid compound (ex. fine micronized polymer) after first application when sealer is still wet and prior to it drying. The use harsh cleaners or detergents can cause irreparable damage to TS210. This may require reapplication to the restore sealer and stain protection. Product is intended to give a reasonable opportunity for cleanup of spills. Although the TS210 provides stain protection, all spills should be wiped up immediately. In some cases, the product will act as sacrificial protection and will require reapplication. Do not allow the product to freeze as the product could be damaged if frozen. Not intended to seal cracks or for use where severe hydrostatic pressure is present. Will not remediate structurally unsound surfaces with defects. 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.

TS210 Heavy Duty Oil and Stain Protector for Concrete Surfaces (Part A)

Low VOC, Water Based Oil and Stain Protector for Smooth Troweled Concrete

- Professional Grade
- Dries Clear/ Matte Finish
- Mix Parts A and B (7A:1B)

- Repels Water, Salt, Oil
- Limits Dirt Buildup & Stains
- Makes Easier to Clean
- Reduces Maintenance
- Yields Durable Finish
- Resists Scuffing & Scratching
- UV Resistant & Non Yellowing
- Provides Matte Finish

Great for

Warehouse Floors | Garage Floors | Workshop Floors | Storage Buildings
Distribution Centers | Interior Concrete Floors | Decorative Concrete
Exposed Aggregate | Driveways | Sidewalks | Patios | Pavers

Environmental & Regulatory

TS210 complies with all Federal and State VOC requirements and contains only 50 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. REFER TO SAFETY DATA SHEET PRIOR TO USE.

Surface Preparation

The surface should be structurally sound. Any surface defects, cracks, voids, and joints must be properly sealed or filled. Substrates should be a minimum of 28 days old and/ or be fully cured. Surfaces must be clean and porous enough to allow penetration and adhesion. Substrates should be free of surface laitance, dust, dirt, debris, mildew, oil, grease, previous sealers, curing agents, paint or other surface coatings, and other contaminants. If acid or other cleaning compound is used for cleaning or etching the surface, neutralize the surface completely before application of TS210. The surface must also be dry and free of moisture as well as have a low moisture-vapor transmission rate (6 lb./ 1000 square feet/ 24 hours or 15 g/ square meter/ 24 hours). For best results, surface should have an equivalent of 150-220 grit resin bond diamonds and be able to fully absorb a few small drops of water within 3-5 minutes.

Application

REFER TO TECHNICAL DATA SHEET FOR COMPLETE APPLICATION INSTRUCTIONS PRIOR TO USE. DO NOT ATTEMPT APPLICATION WITHOUT READING THE TECHNICAL DATA SHEET.

Finish

Natural look or matte finish.

Coverage Rate

300-500 sq. ft./Gal. per gallon for broom finished surfaces, 800-1,000 sq. ft./Gal. per gallon for smooth troweled surfaces, and over 1,200-1,500 sq. ft./Gal. per gallon for burnished or polished surfaces. Coverage rates are approximate and for estimating purposes only. Actual coverage rates vary according to the density, porosity, and texture of the substrate.

Drying Time

Dry to touch in 3-5 hours, for light foot traffic in 5-7 hours, for heavy foot traffic in 7-10 hours, for vehicular traffic in 24-48 hours. Standard recoat window is within 24-48 hours. Drying times are for estimating purposes only. Actual drying times are based on temperature, humidity, and air flow.

Shelf Life

1 year unopened.

Safety & First Aid Precautions

Wash hands thoroughly with soap and water after handling and before eating or smoking. 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.



Concrete Sealers USA

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Sustainable
GREEN
Product



CONCRETESEALERS USA

Professional Concrete Solutions You Can Trust

TS210 Heavy Duty Oil and Stain Protector for Concrete Surfaces (Part B)

- Professional Grade
- Dries Clear/ Matte Finish
- Mix Parts A and B (7A:1B)

REFER TO THE PRODUCT LABEL FOR PART A AND THE TECHNICAL DATA SHEET FOR COMPLETE APPLICATION INSTRUCTIONS PRIOR TO USE. DO NOT ATTEMPT APPLICATION WITHOUT READING THE TECHNICAL DATA SHEET.

Available for download on our website: www.concretesealersusa.com



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