



iN Protector for Pavers and Slabs



UPDATE

July 7, 2010

Make sure that you have an up-to-date technical data sheet in hand by consulting our Web site: techniseal.com

U.S.A. and Canada: dial 1 800 465-7325

Others: dial (514) 523-8324 (Canada)

APPLICATIONS

- Pavers, slabs and retaining walls made of concrete, poured concrete and natural stone
- Driveways, pool decks, patios, terraces, commercial parking lots, balconies, steps, sidewalks, pedestrian areas, etc.

PROPERTIES

- Two-coat application
- Can be applied immediately after paver installation and proper cleaning
- Penetrating. Will not make surfaces more slippery
- Also recommended for natural stones and retaining walls
- Non-film-forming
- Water-based

DESCRIPTION

Penetrating and invisible, TECHNISEAL® iN PROTECTOR FOR PAVERS AND SLABS is a microporous emulsion that is specially designed to protect porous materials such as pavers, slabs and walls made of concrete, poured concrete structures and natural stone. Its distinctive feature is its ability to protect without changing the appearance of the surface. As an oil repellent, it makes cleaning easier by preventing oil, grease (barbecue) and dirt from penetrating the material. As a water repellent, it prevents the appearance of mold and protects against water damage. Easy to apply, it provides maximum effectiveness and durability. Non-film-forming, it won't make surfaces more slippery and hence is ideal for protecting pool decks, balconies, steps, sidewalks, driveways, etc. It resists the elements (freeze-thaw cycles, sun, rain, etc.), as well as salt. Water-based, iN PROTECTOR does not give off unpleasant fumes. Containing very little solvent, it is environmentally friendly.

DIRECTIONS

Wear adequate protective clothing. **To ensure the results will meet your expectations, always test the product on a small hidden area of approximately 4 sq.ft. Do not thin or dilute.**

Apply only to bare material or to material that has been previously sealed with iN PROTECTOR. Wait until the surface of the previous PROTECTOR is completely worn off before recoating.

New concrete pavers and slabs:

Efflorescence (whitish salt) may appear on such materials within 60 days following installation (time frame may be different in dry climates). Exposure to water triggers this phenomenon. Letting this process occur before treatment will insure better results.

Proper surface cleaning and preparation are essential.

CONCRETE PAVERS AND SLABS:

1) Cleaning:

Remove all stains (oil, rust, etc.) from the surface using the appropriate TECHNISEAL® stain removers. **Do not** use RUST REMOVER on natural stone and poured or stamped concrete.

2) Preparation:

Prepare the entire surface by removing all efflorescence and ground-in dirt. This insures a uniform look and allows the PROTECTOR to better penetrate the surface. Surfaces with efflorescence: Use PAVER PRIMER or EFFLORESCENCE CLEANER. Use only HC HARDSCAPE CLEANER on natural stone and poured or stamped concrete. **Do not** use PAVER PRIMER nor EFFLORESCENCE on natural stone and poured or stamped concrete. Surfaces without efflorescence: Prepare these surfaces with HC HARDSCAPE CLEANER.

3) Application:

Surface must be clean, dry (24 hours without precipitation) and warm to the touch (morning). Temperatures must be between 50°F and 85°F and rain should not be forecasted over the next 24 hours. For optimal results, apply product under constant weather conditions and using the same application method from start to finish. **1.** Work in sections no larger than 100 sq. ft. **2.** Using a FOAM ROLLER (0.75 in. thick) or an airless sprayer, apply the first coat of iN PROTECTOR. **3.** To prevent residue staining, remove from the surface any PROTECTOR that has not penetrated the surface within 1 to 2 minutes; back-roll product residues with a FOAM ROLLER before it dries. **4.** Applying the second coat before the first one has dried (wet on wet). **5.** If surface is extremely porous, a third coat may be necessary. **Tip:** To work on freshly sealed surfaces, wear steel-spiked footwear (old golf shoes). Let dry for 24 hours before driving on the surface.

Cleaning of tools: Wash with water and soap.

COVERAGE

1 gallon covers up to 120 sq. ft. for a two-coat application. The application of two coats of iN PROTECTOR is mandatory.

Coverage Variation: As the first coat of iN PROTECTOR penetrates the material and saturates its pores, it is normal to observe a significant variation of the coverage between the first and the subsequent coats. Coverage may vary depending on surface porosity.

STORAGE and SHELF LIFE

Product must be kept in its original, unopened and tightly sealed container, and stored in a dry and well ventilated place with controlled temperature (40°F to 75°F). Keep sheltered from weather and direct sunlight. In proper storage conditions, the product's shelf life is minimum 12 months following production (see date on packaging).

PACKAGING

Product Code	Retail Size	Pro Size	Units per box	Units per pallet
121-313	1 gal.	-	4	144
221-316	5 gal.	-	-	48
221-318	-	55 gal.	-	4

TECHNICAL DATA

	Result	Test / Method
Liquid Color	Clear to light amber	Visual evaluation
Liquid Odor	odorless	Visual evaluation
Density	1.07 g/L	ASTM D 1475
Viscosity	5 to 10 cPs	Brookfield LV2 @ 60 rpm
pH	8.0 ± 0.2	pH meter @ 22°C (72°F)
VOC	≤ 50 g/L	ASTM D3960-05 (EPA 24)
Flash Point	≥ 100°C (212°F)	ASTM D56-05
Freezing Point	≤ 0°C (32°F)	ASTM D2243
Boiling Point	≥ 100°C (212°F)	ASTM D2243
Soluble in water	Yes	
Vapor Pressure	Same as water	
Evaporation rate	0.36 (BuAc = 1)	
Vapor Density	Same as water	
Slipperiness	No change versus bare surface	ASTM F1679-04
Color Change	$\Delta E \leq 1.0$ (no visible change)	Colorimeter Konica Minolta, TS-LI-006
UV resistance	No visible change @ 250 hours	ASTM G154-06
Water repellency	Excellent	Evaluation on paver, stone and concrete
Oil repellency	Excellent	Evaluation on paver, stone and concrete
Stain Resistance	Very Good	Treated versus untreated cleaned @ 6 hours based on ASTM D-1308-02

WARNING

CAUTION. EYE, SKIN AND RESPIRATORY IRRITANT. BREATHING LARGE AMOUNTS OF SPRAY MIST MAY CAUSE LUNG INJURY. **CONTAINS:** Proprietary Fluoropolymers and Water 7732-18-5. Avoid breathing vapors or mists. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Wash thoroughly after handling. Keep container closed when not in use. **KEEP OUT OF REACH OF CHILDREN. FIRST AID:** Eye contact: Immediately flush eyes with water and call a physician. Skin contact: Wash thoroughly with soap and water. Get medical attention if irritation persists. Inhalation: Move to fresh air. Get medical attention if irritation or other symptoms develop and persist. If shortness of breath develops, get immediate medical attention. Ingestion: If conscious, rinse mouth with water. Immediately call a physician or Poison Control Center.

FOR MORE INFORMATION, CONSULT THE MATERIAL SAFETY DATA SHEET.

SHIPPING

Land and sea

NOT REGULATED

LIMITED WARRANTY

Manufacturer, having no control over the use of the materials, does not guarantee finished work. Replacement of any defective product shall be the buyer's sole remedy under this warranty. A proof of purchase will be required for any claim. Before using this product, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. User shall test product in a small inconspicuous area (approx. 4 sq. ft.) under projected conditions of use. In the event that no test was carried out, the warranty will only apply to 4 sq.ft. (0.4 m²). This limited warranty excludes any liability for any consequential, incidental, indirect or special damages. Except for the limited warranty made above, manufacturer specifically disclaims and excludes any other express warranty, any implied warranty of merchantability of goods and implied warranty of fitness of goods for any particular purpose.

