



REPEL 100

CHEMICAL REACTIVE CONCRETE CURING COMPOUND & WATER REPELLENT TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Repel 100 is a dual functioning chemical reactive curing compound and water repellent with a low viscosity for better penetration on concrete substrates. **Repel 100's** unique formulation provides superior water and salt resistance compared to standard sealers used to protect exterior concrete. Improved resistance to de-icing road salts, salt water pool systems, rain, sleet and snow are achieved with this advanced chemical reactive formula. **Repel 100** also meets cure & seal specs ASTM C-309, Type 1, Class A & B, AASHTO Spec M-148, Type 1, Class A & B so it can be applied directly to fresh poured concrete after all surface water has dissipated.

BENEFITS/FEATURES

- Will not change the color of the concrete
- Minimizes damage due to water and salt water from de-icing road salts on freshly poured or existing unsealed concrete
- Excellent penetration and adhesion to clean, unsealed new or old concrete
- Dual functionality combination of curing agent and water repellent

RECOMMENDED APPLICATIONS

Repel 100 is recommended for use on new or existing unsealed Pool Decks, Exposed Aggregate Concrete, Broom Finish Concrete, & other unsealed porous concrete & masonry surfaces. Other uses may be acceptable.

TECHNICAL INFORMATION

Solids.....	N/A	Wet Appearance.....	White to slightly hazy
Drying Time.....	30 min. - 1 hour	Dry Appearance.....	Clear and Low Gloss
Re-Coat Time.....	See Application Instructions	VOC Content.....	<100 g/l
Foot Traffic.....	4 - 6 hours	Blush Resistance.....	Great
Wheel Traffic.....	24 - 48 hours	Solvent Resistance.....	None
Application Temp.....	50°F - 80°F	Concrete Adhesion.....	Excellent

**Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

SPECIFICATIONS/COMPLIANCES

ASTM C 309, Type 1, Class A & B • AASHTO Specification M-148, Type 1, Class A & B

APPROXIMATE COVERAGE RATES (PER GALLON)

Application Surface	First Coat	Optional Second Coat
Broom Finished concrete (unsealed)	200-300 ft ²	200-300 ft ²
Porous Masonry Surfaces (unsealed)	150-300 ft ²	150-300 ft ²

*Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

SHELF LIFE

Repel 100 has a shelf life of one year from manufacture date in it's original, sealed, unopened container.

PACKAGING

Repel 100 is packaged in 1 gallon cans, 5 gallon pails, and 55 gallon drums.

SURFACE PREP: Cover or mask all areas not to be sealed. Repel 100 may have an undesired etching affect on surfaces such as glass, steel etc. Concrete or masonry surface must be unsealed, as well as clean and free of all contaminants and water. Do not apply if rain is forecast within 24 hours. If the surface is not clean and free of all contaminants, the sealer may have adhesion and reaction issues. On fresh concrete the bleed water must off the surface. Bleed water can inhibit the functions of Repel 100.

Always test surface porosity prior to application. The proper application surface should allow water to quickly soak into the substrate.

Substrate temperature and Ambient temperature must be no less than 50 degrees F and not exceed 80 degrees F. If applied outside these limits the sealer may not achieve adequate film formation. The material performs best when it's temperature at the time of application is between 60° F - 70° F.

MIXING: Although not necessary, we recommend lightly stirring prior to using. Material may separate during long term storage.

For use as a curing compound and water repellent on freshly placed concrete, ensure all bleed water has dissipated prior to application.

APPLICATION: Apply using a 3/8" nap roller cover using long even uniform strokes at approximately 150-300 square feet per gallon, depending job requirements, porosity and texture of substrate. An airless or low pressure sprayer may be used as well. Upon initial application, **Repel 100** will create a slightly white surface that will absorb quickly into the concrete, typically within a minute or two. Thick or puddle areas should be spread to areas where absorption can continue. Failure to quickly remove puddle areas may result in the presence of dry residual sealer that is not beneficial and may yield an undesirable aesthetic look, especially on colored or dark concrete. For best results, apply a second coat 3 days after application of the first coat, or prior to subjecting the surface to traffic. This will ensure maximum protection from water, salts and other contaminants.

RE-SEAL: When darkening of the surface begins to occur due to water absorption, re-apply Repel 100 as needed to continue protection.

PLEASE NOTE: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. When applying, do not exceed 400 sq. ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. **DO NOT USE ON BRICK.**

CLEAN-UP & PRODUCT REMOVAL

Use soap and water for clean up. Dispose of containers in accordance with local and federal regulations. Dried, cured sealer may be removed with a commercial paint stripper, such as *Nock Off* or by using a diamond grinding method, sandblasting method or similar mechanical action, however, it may be impossible to remove all of the product due to it's excellent penetration properties.

PRECAUTIONS AND LIMITATIONS

- **Repel 100** may freeze during storage or transportation. Freezing may damage sealer. Do not allow to freeze!
- All bleed water should be gone from surface prior to application on fresh concrete.
- Water Repellancy is optimum after 48 hours.
- It is not recommended to apply carpet, tile, and other types of floor adhesives on top of **Repel 100**.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- **Repel 100** works best when applied in one coat @ 150-200 square feet per gallon.
- This product should not change the slip coefficient of the concrete surface.
- **Repel 100** is not resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin **Repel 100**. Improper thinning may cause sealer to not perform adequately.
- **Repel 100** may slightly change the surface of a new and existing concrete slabs. Test prior to use.

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use.

FOR PROFESSIONAL USE ONLY!

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