

OVERVIEW

DiamondSeal is an acrylic water borne clear floor sealer based on a new generation of hydrophobic polymer. It provides outstanding durability with excellent chemical and water resistance. The product has a self crosslinking mechanism which helps to produce a tough durable film with excellent block and chemical resistance. Its ultra-fine particle size enables deep penetration into the substrate ensuring excellent dust-proofing and sealing properties. As a clear coat DiamondSeal is completely UV transparent and does not yellow. DiamondSeal can also be used as a topcoating system for exterior facades coatings where it greatly improves dirt pickup resistance due to its hydrophobic nature.

PROPERTIES

DiamondSeal is based on an ultra fine particle size acrylic resin with a self crosslinking mechanism. The coating has the following properties:

- Easy surface preparation
- Easy to use water borne system
- Fast drying
- Excellent dust proofing characteristics
- Excellent durability
- Non yellowing film
- Chemical resistant
- Excellent adhesion to substrate
- Water resistant

AREAS OF USE

DiamondSeal is designed for use as a concrete floor sealer and dust-proofer. It is also used as a clear primer for DiamondCoat and can be used as a topcoating system for exterior facade coating systems.

PREPARATION OF SURFACE

Ensure that all dust, dirt and foreign matter are brushed away. Also ensure that the surface is free from salt, oil, grease and ridges. All cracks, chips, voids and damaged areas should be repaired using a blend of Terramix Fine (5kg) with DiamondSeal (1kg) and water (0.25-0.5 ltr.). This repair compound should be allowed to cure for 3 days prior to application of the primer coat.

APPLICATION & CLEANING OF TOOLS

Application is done by brush, roller or spray in two coats, allowing four hours between coats. Coated areas can be put back into service after 24 hours.

Clean tools and equipment with water after use.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKAGING & STORAGE

DiamondSeal is supplied in 20kg plastic pails.

Store containers in a clean, dry area and protect from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months. Use oldest material first.

TERRACO offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the TERRACO Technical Service Department or your local TERRACO agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on TERRACO's present state of knowledge and is intended to provide general information on TERRACO's products and their methods of use. The prospective user is recommended to determine the suitability of TERRACO's suggestions and products before adopting them on a commercial scale.

TECHNICAL DATA

Product	Clear water borne acrylic floor sealer.	
Binder	Acrylic	
Drying Time	4 to 6 hours between coats.	
Hardness (Koenig Pendulum)	41 (3 days), 57 (10 days)	
Adhesion to Concrete	3.5 N/mm ²	
Chemical Resistance	Brake fluid	: good
	Sulphuric acid 25%	: good
	Ammonia 25%	: good
	Caustic solution 25%	: good
	Ethanol 20%	: good
Specific Gravity	1.02	
Viscosity	2,000cps.	
Material Consumption	200-300grs/m ²	
Application Method	Brush, roller or spray.	
Packaging	20 kg plastic pails.	
Storage	12 months in original unopened containers.	

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