Diamond Seal
Liquid Hardening Compound

Description
Diamond Seal is a liquid concrete hardening compound that is used to harden surface before mechanical polishing. It can also be used to improve fresh or existing concrete surfaces. Prevents dusting that can contribute to early concrete deterioration and prepares floors to resist chemical attack and severe surface use. Product works by reacting with the free lime present in concrete, forming a dense hard crystal like surface. Surfaces treated will become less porous with much improved water, chemical and oil resistance. Treat fully cured concrete for better results. Unlike other similar hardeners, this product is non–staining. Can be used over integrally colored concrete or surfaces that have received surface colored hardeners. Floors can be machine polished to obtain a high gloss on tooled concrete surfaces. Can be use in all types of concrete floors, especially in colored or acid stain applications, commercial floors, warehouses, and loading docks to improve overall durability. Also, over broadcasted dust on hardener applications. **Diamond Seal** is not a film forming product, it does not attract moisture and it is safe for use in storage type facilities.

Limitations:
Do not use over hydrophobic type release waxes or carbon based organic pigments that will block product from penetrating or when solely used as a curing aid on unprotected concrete. Surfaces to be polished after proper cure should be water or blanket cured. Do not use chemical surface curing agents. Apply to clean floors only, free from contaminants or coatings of any kind.

Benefits:
More reactive and much environmentally safer than Potassium and Sodium. Product does not build a surface film. Contains no VOC, application does not require mixing, re-wetting or rinsing that produces by-products waste water. Non Hazardous.

Surface preparation
Concrete surfaces must be clean and absorbent. On existing concrete, clean to remove dirt and contaminants to allow product to penetrate the surface. Use only over fully cured concrete for best results.

Application
Apply to cured concrete that has been previously cleaned. Spray using hand pump or airless spray at the rate of 300 to 400 Sq./Ft. per gallon. *Do not puddle as it will leave a whitish surface buildup that will be difficult to remove*, apply enough to produce a glossy wet coat. Use a microfiber pad to evenly spread out any excess product. Allow floor to air dry. Do not dilute product. Polishing operation can start as soon as floor is fully dry.

Coverage:
Rate of application will be determined by the surface profile and absorbency. The range is 300-500 Sq./Ft per gallon according to the density (porosity) of the surface.

Packaging & Shelf life:
Product is available in 5 gallon pails. 1 to 2 years in unopened container stored in original package away for direct heat. Keep from freezing.

Safety:
Product may cause skin and eye irritation. Clean tools and container with fresh soapy water. Wear eye protection and avoid prolonged skin contact. Keep away from children and pets. Do not discard unused product into storm sewers or any body of water. Dispose of containers and any left over product responsibly by following local disposal laws.
Product is intended for industrial professional use. Product has not been cataloged as an environmentally harmful substance.

Technical Data

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