Product Guide

Innocoat Reactafil Cure & Densify

Reactafil Cure & Densify is a nano lithium silicate densifier incorporated with surface barrier forming abilities that enables this product to exceed ASTM C-309 Liquid Membrane-Forming Compounds for Curing Concrete moisture retention requirements.

Cure, Harden, Densify and Protect all in one easy application.

DESCRIPTION

Innocoat Reactafil Cure & Densify is not water sensitive and penetrates deeply before reacting and hardening below the surface. At the same time a protective curing barrier is formed on the surface that meets and exceeds the ASTM C-309 moisture retention requirement.
Reactafil Cure & Densify is an economic, cost effective, one step curing and hardening process, eliminating the need for further post removal or cleanup processes.
Reactafil Cure & Densify's nano particle size impregnates deep into the capillaries densifying the concrete and hardening the surface wear layer preventing flake or peel. Efflorescence is eliminated and surface dusting is prevented. After treatments can be applied after 28 days.

USES

- Factory or Warehousing floors
- Interior and Exterior domestic flooring
- Restaurants / cafeterias / shopping centres
- Carparks, sports and entertainment facilities
- Office Buildings / Carparks
- Commercial / Educational facilities

FEATURES

- Penetrates and reacts within the concrete to form an integral part of surface barrier
- Acts as curing aid to prevent moisture loss on new concrete (ASTM C-309:<0.52kg/m2 in 72 hours)
- Quick and easy to apply, no odour
- Non flammable – Non toxic
- Allows for after treatments.
- Safe to use in food handling areas
- Excellent dustproofing /surface hardening properties
- Stain and water resistant
- High abrasion resistance
- Protects against efflorescence and leaching
- Allows concrete to attain maximum strength, durability and hardness

Innovative Coatings

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APPLICATION

- Reactafil Cure & Densify is ready to use, requires no mixing or dilution
- Protect plants, aluminium, glass and vehicles. Mask with a suitable light plastic film.
- If acid etching has been applied rinse thoroughly and neutralise. Remove all excess water before application of Reactafil Cure & Densify.
- Make sure the surface is free of contamination, ie dust, dirt, oil, tilt slab release agents, etc
- Air and surface temperatures must be between 4°C to 34°C.
- Application can be done to new concrete as soon as the floor is dry enough to walk on without ponded water.
- Apply evenly with a low pressure sprayer, soft broom or squeegee .
- Once applied the surface must stay wet for 15-20minutes. If conditions are hot apply a light mist coat of water to cool it down and reduce the premature drying of Reactafil Cure & Densify which will affect the penetration. Where any areas dry early within the 15-20 minutes reapply a light spray to achieve an even gloss.
- Do not allow ponding to occur, broom or squeegee off excess liquid
- Optimum water repellence and hardness will occur within 7 days

This information is given as a guide only and each job could vary depending on conditions – always trial a small area first.

LIMITATIONS

The surface must be clean and free of loose particles (ie from grinding or saw cuts), dirt, oil, release agents. Vacuuming before hand will remove dust where necessary.

Any acid etching process must have been thoroughly rinsed off and neutralised.

Reactafil Cure & Densify will not improve the hardness of concrete that is already dusting or disintegrating.

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PRODUCT INFORMATION

Packaging	5L, 20L, 200L, 1000L	
General Type	Water Based Curing & Densify Liquid	
Description	Milky White Liquid.	
Storage Conditions	Store in unopened containers in temperature between 2°C – 25°C.	
pH	11.3 – 11.8	
Density	1.04kg / litre	
Approx Coverage	Steel Trowelled Concrete	10 – 12sq m / litre
	Brushed Concrete	5 - 8 sq m / litre

Manufactured in New Zealand to Meet New Zealand Conditions