

mart-CRETE SHIELD

CONCRETE SURFACE DENSIFIER AND DUST-PROOFER

DESCRIPTION

mart-Crete Shield, a superior low viscosity clear Concrete surface densifier formulated to harden concrete surfaces, increase abrasion resistance and reduce dusting.

A penetrating sodium silicate solution that “soaks” into concrete, reacts with the free-lime in concrete and produces hard, insoluble crystals that form a sealed, non-dusting concrete surface that has higher abrasion resistance.

CHARACTERISTICS/ADVANTAGES

- Easy application, single component (Paint on)
- Cost effective concrete treatment
- Hardens concrete surfaces
- Concrete surface densifier
- Increases abrasion resistance
- Reduces dusting
- Creates strength and durability
- Excellent penetration
- Allows trapped moisture to escape
- Environmentally friendly
- Clear natural look

TYPICAL USES

- Warehousing
- Garages
- Driveways
- Pathways
- Polished concrete floors
- Terrazzo Floors
- Surfaces with dusting problems



mart-CRETE SHIELD

CONCRETE SURFACE DENSIFIER AND DUST-PROOFER

APPLICATION PROCEDURE

Surface Preparation:

- Surface must be sound, clean, free of oil & grease, dirt, dust, cement laitance & other foreign material.
- If strong acidic or caustic cleaners are present surface must be thoroughly and completely washed/rinsed to remove any residues.
- On concrete that is stained a heavy-duty alkaline degreasing detergent can be used to clean the surface.
- Allow floor to dry out completely if needed to be washed prior to application of **mart-Crete Shield**.

APPLICATION:

- Shake container well before use.
- Ensure that **mart-Crete Shield** does not pond in saw-cut lines or joints.

First Coat (Priming):

- Dilute **mart-Crete Shield** with equal amount of water 50/50.
- Generously apply diluted solution with brush, roller, broom or by low pressure sprayer onto prepared concrete surface.
- Allow product to penetrate for at least 30-45 minutes, remove excess ponding **mart-Crete Shield** with a mop.

Second and Third Coat:

- Apply undiluted **mart-Crete Shield** onto the dried primer coat.
- Allow at least one hour for drying after second coat before permitting foot traffic.
- Remove any pooled material with a mop, excess, non-penetrating product may cause discoloration or form a glassy layer.
- A third coat may be applied if the concrete is highly porous and the second coat has fully penetrated the surface.

COVERAGE

Approximate Coverage for estimating purpose only 6 – 8m² per lt.

Due to the porosity of different types of concrete, coverage will vary significantly. Typical coverage ranges from approximately 6 to 8m² per lt, depending on the substrate's porosity.

A test application is recommended to determine the exact rate.

MAINTENANCE

mart-Crete Shield can be overcoated in high trafficable areas if needed.

mart-CRETE SHIELD

CONCRETE SURFACE DENSIFIER AND DUST-PROOFER

CLEANING AND STORAGE

- All tools can be cleaned with water only.
- Store in a cool dry place.
- 12-month Shelf life if kept in the original packaging.

PACKAGING

mart-Crete Shield comes in 25lt or 1000lt containers.

HEALTH AND SAFETY

- In all cases, consult the Material Safety Data Sheet before use.
- Provide adequate ventilation.
- Wear protective clothing.
- In case of eye contact wash well with water and obtain medical advice.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Chemical Base:	Sodium Silicate
Solids by Volume:	20 – 25%
VOCs:	≤ 5g/lt
Dry Time (25°C, 50% RH)	
Tack Free:	2 – 4 hours
Foot Traffic:	4 – 6 hours
Wheeled Traffic:	24 hours

Disclaimer: The information contained in this document is given to the best of Mart Solutions' knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving Mart Solutions' liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Mart Solutions specialists are at the disposal of the users in order to help them with any problems encountered.