

MekDenso-A50S

Product Technical Data Sheet

Sodium Silicate Based zero VOC Concrete Floor Densifier and Hardener

Description

MekDenso-A50S is a formulated Sodium Silicate and PMS based economical additive that penetrates into a porous cementitious surface to increase density, hardness, and strength of the substrate. It is an ideal treatment for machine troweled, burnished, or polished concrete surfaces. **MekDenso-A50S** chemically reacts with the surface and improves the abrasion resistance and durability of a surface, provides long term protection against wear and traffic, reduces dust formation and reduces the overall maintenance of a surface. It also provides resistance to water and moisture, efflorescence, dirt buildup, mold and mildew and salts and mild chemicals. **MekDenso-A50S** is environmentally friendly, VOC compliant, non-flammable, and has odorless formula for safe indoor use. **MekDenso-A50S** is the clear liquid.

Uses

MekDenso-A50S is used as a concrete densification sealer for treating concrete including polished concrete such as residential concrete floors, commercial car parks, and factory or warehouse flooring. Applications include treating new and old concrete floors for strengthening, dust-proofing, and creating a hard, smooth/glossy and color enhanced polished concrete finish. The densifier may be used for sealing other masonry substrates including natural stone, clay bricks.

Features

- ❖ Deeply penetrating into concrete ensuring durable protection.
- ❖ Fast reaction with concrete for efficient concrete polishing process.
- ❖ No visible residues or efflorescence after application.
- ❖ Enhances surface color without changing the surface characteristics of concrete.
- ❖ Reduces water absorption and surface staining.
- ❖ Environmentally friendly water-based technology.
- ❖ Ready-to-use low viscosity formula enables easy application.

Use Instructions: Surface Preparation

- ❖ Prior to application, the concrete surface should be completely cleaned of any surface contaminants that may impede the penetration of **MekDenso-A50S**. The surface should be allowed to dry before application.
- ❖ New concrete should be properly cured. Curing compounds, release agents, and coatings/membranes should be completely removed and cleaned from the surface and allowed to dry before applying **MekDenso-A50S**. In the case of acid treated concrete, the concrete surface should be completely neutralized and rinsed with water and allowed to dry before the application.
- ❖ For polished concrete, the surface is firstly removed by grinding up to 200 grit or any desired finish to expose the capillaries or aggregates before applying **MekDenso-A50S**. This will ensure maximum absorption of the sealer to achieve optimum concrete densification and desired surface finish by the application of **MekDenso-A50S**.

Technical Data

S. No.	Properties	Requirements
1.	Appearance	Clear Liquid
2.	Specific Gravity	1.10 -1.30
3.	VOC	Nil
4.	pH	10-11
5.	Solubility in water	Soluble in water

Application

MekDenso-A50S is a ready-to-use sealer. The densifier sealer may be applied with a low-pressure hand sprayer, brush or broom. The product should be evenly flooded onto the surface. Pooling should be avoided. In order to achieve maximum absorption, ensure the sealer is present on the surface as a mirror-like wet film for up to 30-45 minutes. If the first coat is quickly absorbed by the surface, the second coat is applied immediately while the surface is still wet (wet-on-wet method). For porous and permeable concrete, this wet-on-wet application may be repeated until the surface is saturated with no further absorption of the sealer being achieved. Remove excess sealer from the surface if it hasn't been absorbed by the surface within 30 minutes. Any excess sealer on the surface may dry

Ref.: - CEMEK/LS/18/001
 Rev.: - Nil

Date: -01/01/2018
 Date: - Nil

CEMEK (I) PRIVATE LIMITED

(An ISO 9001:2015 & 14001:2015 Certified Company)

Address: - 2C 137/6, Gali No.-1, Teachers's Colony, Dankour, Greater Noida, Gautam Budh Nagar-203201 U.P.

Contact Details: - +91-9805713504 cipla2@yahoo.com | manoj.cmri@gmail.com

Website: - www.cemekindia.com

"Comprehensive Solution for Constructions"

MekDenso-A50S

Product Technical Data Sheet

to unwanted residues that may become difficult to remove after the product is cured.

Coverage

Coverage rate 40-45 sqft/Liter for machine trowled and smooth surfaces.

Important

MekDenso-A50S penetrates and blocks the concrete pores or capillaries, and hardens the surface. However, the degree of pore blocking, surface hardening and water resistance depends on many factors which are out of the manufacturer's control. It is highly recommended that a pilot test on site should be conducted by the applicator prior to application to determine the suitability of this product for the purpose.

Handling & Storage

MekDenso-A50S is an alkaline solution. Skin or eye contact should be avoided by wearing proper protection. The risk of vapor inhalation of this product is low; however, an air-purifying respirator should be worn if there is a risk of exposure to high vapor concentrations. Wash hands after handling.

Packaging

MekDenso-A50S is available in 20-liter packages.

Storage

The product should be kept in the sealed original container under 25°C Keep this product away from aluminum surfaces. Keep out of reach of children.

Product Information

Although the basic formulation of our products generally remains unchanged, production refinements arising from continuing research and evolution program may occasionally result in marginal changes in properties.

FIRST AID!

Eyes : Flush with water for at least 15 minutes
Skin : Wash thoroughly with soap and water

Inhalation : Move subject to fresh air
Digestion : Consult physician immediately

Note: - Keep out of reach of children for professional and industrial use only.

Ref.: - CEMEK/LS/18/001
Rev.: - Nil

Date: -01/01/2018
Date: - Nil

CEMEK (I) PRIVATE LIMITED

(An ISO 9001:2015 & 14001:2015 Certified Company)

Address: - 2C 137/6, Gali No.-1, Teachers's Colony, Dankour, Greater Noida, Gautam Budh Nagar-203201 U.P.

Contact Details: - +91-9805713504 cipla2@yahoo.com | manoj.cmri@gmail.com

Website: - www.cemekindia.com

"Comprehensive Solution for Constructions"