



MA CURING S

Concrete curing compound (Silicate based)



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CONCRETE CURING COMPOUND (SILICATE BASED)

I. DESCRIPTION:

MA CURING S is a ready-to-use aqueous solution of metallic silicate. When applied to fresh concrete, **MA CURING S** forms a micro-crystalline seal in the concrete pores reducing the evaporation rate of moisture from the mix, and thus assisting in the complete hydration of the cement. **MA CURING S** is chloride free.

II. PRODUCT INFORMATION:

| Data | MA CURING S |
|--------------------|--|
| Base | Sodium silicate |
| Appearance | Blue liquid |
| Density | 1.13 ± 0.05 kg/liter |
| Consumption | 4 - 5 m ² / liter depending on wind, humidity and temperature |
| Packing | 25L / 200L / 1000L drum |
| Shelf life | - 12 month (in unopened packaging) |
| Storage conditions | Dry, cool, shaded place |

III. USES:

MA CURING S is particularly recommended for the treatment of vertical surfaces which are to receive subsequent treatments where resin based curing membranes would be unsuitable because of their uncertain film breakdown, and the effect on the performance of further surface treatments. **MA CURING S** may be applied to new concrete to increase the density of the cured surface thus improving its subsequent durability.

IV. ADVANTAGES:

- Helps concrete to attain maximum hydration, strength, durability and surface hardness.
- Becomes an integral part of the surface which assists long term curing and gives dust proofing properties.
- Non-flammable and suitable where solvent based systems are undesirable.
- Reduces shrinkage with associated hairline cracking and crazing in vertical and horizontal applications.
- When used correctly, adhesion of subsequent treatments to concrete surface is not impaired.
- Allowing light foot traffic after 24 hours.

V. APPLICATION:

Vertical surfaces:

After release the formworks, dampen down the concrete thoroughly with fresh water. Allow the surface water to drain off before applying **MA CURING S** either with standard spray equipment or brush (spray applications are preferred for full coverage). Observe that the surface is fully wetted.

Horizontal surfaces:

Apply **MA CURING S** with spray equipment immediately after trowelling when all bleed water has disappeared. Ensure that the surface is free of water and do not, in any instance, apply less than the recommended coverage. To obtain optimum performance from the system, it is recommended that **MA CURING S** should be applied at the earliest practical application after the concrete surface is ready to receive the curing compound.

All surfaces:

If the concrete is exposed to direct sunlight with high temperature (plus 23°C) or severe dry wind, protect the surface with a polyethylene sheet of 2 - 3 hours after applying **MA CURING S** to allow time for crystal formation. The polyethylene sheet should be in direct contact with the surface to maximise the benefits.

Cleaning:

Ensure all equipment is cleaned thoroughly by means of clean water.

Application note:

MA CURING S is ready to use. Don't dilute with water before application.



M-ATLANTIC




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