

Product

Mat Protect Plus ® supplied by Mathios Refractories S.A. is a water-thinnable emulsion, based on a mixture of silane and siloxane.

Mat Protect Plus ® is a reactive penetrating sealer, penetrates into concrete and masonry substrates and chemically reacts to form covalent bonds with naturally occurring minerals in the substrate.

Mat Protect Plus ® line the pores of concrete and masonry substrates with a hydrophobic coating, without forming a film in the material's surface.

Mat Protect Plus ® doesn't modify the color appearance of the materials.

General Characteristics

Property	Condition	Value	Method
Appearance	-	milky, white	-
Density	25 °C	~ 1 g/cm ³	not specified
Viscosity	20 °C	~ 2 mPa*s	not specified

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

Mat Protect Plus ® is an excellent water repellent for impregnating and priming absorbent surfaces/substrates, such as bricks, sand-lime brick, natural sandstone, lightweight concrete and aerated concrete.

Mat Protect Plus ®

Mat Protect Plus ® is not particularly suitable for less absorbent, dense natural stone such as limestone and marble.

Mat Protect Plus ® reduces the capillary absorption without clog pores or capillaries. There is therefore little or no impairment of the building material's ability to breathe.

Mat Protect Plus ® offers

- rapid development of water repellency
- durability to Freeze-thaw cycles
- resistance to salt crystallization
- UV resistance
- oxidation resistance
- excellent Cl protection
- durability against abrasion

Instructions of use

Mat Protect Plus ® is a ready to use product.

Agitate the product before use and clean well the surface of the application. Ensure that the surface is dry and the relative humidity of the system is low.

The product can be brushed on or sprayed. Wet on wet coats are needed to ensure complete coverage.

If it starts raining, stop treatment and cover the freshly impregnated areas.

It is recommended the reapplication of the product when the surface no longer presents hydrophobic reaction.

The frequency of the recoat depends on climatic factors.

Packaging and storage

Keep in dry and cool places (5-30 °C), avoiding the sunlight. Under this conditions, the product doesn't present any loss of efficiency for at least 1 year.