

Consolidator BR 128

Miteq BR 128 is a solvent less, ready to use material for the impregnation and consolidation of construction materials.

Advantages

Easy to apply one part system.

The binder is acid resistant.

High impregnation depth.

Dries to a tack free film which is dirt resistant.

Non pore sealing so the construction material remains permeable to water vapour.

Generally no visible change in the masonry.

Use

BR 128 can be used to restore weather damaged natural stone, stucco or frescos. It may be used to treat other construction materials such as brick or stone.

Technical Properties

Density at 25°C: Approx. 1.0 g/cm³

Dilution: Ready to use solution

Colour: Colourless to slightly yellow

Catalyst: Neutral

Flash Point: 40°C

Ignition Temperature: 230°C

Reactivity Information

BR 128 is based on ethyl silicate. When applied, it penetrates through the capillary deep into the substrate. The natural catalyst promotes the reaction between the ethyl silicate and water from atmospheric humidity or moisture in the capillary pores. A glass like silica gel binder is formed.

Under standard conditions, final hardness is achieved in two weeks. The product does not contain any hydrophobic additives such as silanes.

The surface may show slight beading. This does not mean the surface is water repellent.

Substrate

Remove soils or surface dirt by steam cleaning. High pressure cleaning should be avoided to prevent further damage to the stone. If cleaning chemicals are to be used it is important to use materials that will not further damage the stone or leave a deposit that may inhibit the further application of BR 128.

Application

To allow the complete penetration of BR 128 the area to be treated must be clean and dry and protected against rain for two to three days after treatment. The treated area should be protected against direct sunlight, since heat will cause the material to evaporate before penetrating to a sufficient depth. Recommended application temperature is between 10°C & 20°C. R/H above 40%

To achieve full penetration apply wet on wet applications until the substrate does not absorb any more material. If necessary apply a further application no sooner than two or three weeks following first application.

If the second treatment is applied before the binder is fully formed the additional product will not be absorbed and turn the substrate grey.

A water repellent coating such as Miteq Sealer 103 should be applied to give maximum protection following treatment.

Application of BR 128 can be carried out by spraying, brushing or dipping.

It is recommended to trial an area to ascertain the required amount of BR 128 that is required. Usage will vary depending on the condition of the substrate.

Shelf Life

12 months in unopened containers. Do not store in direct sunlight or beyond 30°C.

Packaging

Miteq BR 128 is available in non-returnable 20 litre drums.

UN 1292

DG Class 3

Packaging Group III

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