

# Isonit Construction



## Product Description:



Isonit Construction is used to improve new and restore old roof and façade cladding of fibre cement, e.g., asbestos cement, where there is a risk of degradation of the cladding material. The material may already have changed visibly due to ageing, with peeling of the cladding material itself, making the fibres visible. The cladding may also have absorbed moisture and water, or salts may have been released from the material.

Fibre cement will be affected in this way more frequently, due to the climate change, with much longer periods of unstable weather, with periods of damp, rain, large hailstones, snow and hard frost. All these conditions mean that fibre cement cladding in particular may need to be treated in order to improve or restore the chemical properties between the fibres, cement and various fillers, including SiO<sub>2</sub> (silicium), of which fibre cement consists.

Isonit Construction provides deep chemical impregnation which bonds chemically with the material content of the fibre cement. It also prevents moisture from penetrating and corrupting the material. Frost damage can be prevented when the water in the material freezes and thereby expands, breaking off small pieces from the surface. Isonit Construction also helps to reduce efflorescence on the surface.

Isonit Construction also improves the surface of the fibre cement so that any subsequent treatment using roof paint will achieve better adhesion and prolonged durability.

## Application:



Isonit Construction should be applied to a clean surface. It is important for the surface to be dry before commencing treatment as this promotes deep penetration, as well as boosting the chemical process that helps bonding it to the fibre cement's own structure. Isonit Construction must always be treated with Isonit Roof paint or ClimateCooler.

Isonit Construction can be applied with a brush, roller or spray gun (note, at low pressure).

It is important that weather conditions are stable, with no prospect of rain or showers for 30 minutes after the treatment has been applied.

During application, skylights etc. made of glass or plastic must be covered up completely.

To achieve optimum effect, Isonit Construction must be used undiluted.

**Please make a test coat on the surface for controlling the compatibility**

## Technical data:



**Colour:** Dries to a colourless finish **Packaging:** 25 l cans, 200 l drums and 600 l IBC containers **Coverage:** approx. 4 - 8 m<sup>2</sup>/l depending on the condition of the surface **Application method:** brush, paint roller or paint spray (note, at low pressure) **Application temperature:** min. 5° and max. 40° **Drying time:** at 20°C and atmospheric humidity of 60%, approx. 1½ hours **Density:** approx. 1.01 g/ml **Dry content:** approx. 20% active agents **Cleaning:** tools, pumps etc. in lukewarm water **Storage:** dry, frost-free and out of the reach of children **VOC:** max 30 g/l (cat. A/h).

## Advantages:

**For restoring and improving fibre cement and porous mineral surfaces.**

**Better adhesion and prolonged durability.**

**Inhibits efflorescence by fixating it in the material.**

**The treated material becomes the permanent capacity to repel moisture and water.**

**Protects the treated material against frost damage and cracking.**



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