



Technical Data Sheet Premtool DC Tile Matting Decoupling Membrane

Description:

Premtool DC Tile Matting Decoupling Membrane is manufactured from grey polypropylene (PP), white polypropylene non-woven fabric, and white and green polypropylene woven mesh. The non-woven fabric is laminated using a polyolefin-based adhesive to the backside of the product (lower face of the product as installed), and the woven net laminated to the top of the product (upper face) by thermobonding process. The product is impermeable and resistant to the usual chemicals in the building construction. The product acts as a damp proof membrane and key for the direct application of tiles using modified cement-based tile adhesive.

Studs are formed in a regular pattern on the one face of the product. The woven mesh creates a key for tile adhesive to bond tiles to the product. The product is fixed to the underlying substrate with tile adhesive using the non-woven fabric as adhesive carrier. For floors where high loads are expected, the load bearing capacity of the product may be increased by applying more tile adhesive than simply encompassing the net strands, to fill the formed cavities.

The studs are spaced at approx. 30 mm centres. The product is supplied in rolls of length of 30m.

Workability:

The product is tough but pliable and can be bent around corners and projections without risk of cracking, even in very low temperatures. The product can be easily cut with a knife or scissors.

Storage:

The product should be stored in unbroken packaging in upright position, protected from rain and snow.

Storage conditions must be dry and protected from UV (sunlight).

Technical Data:

Sheet Thickness: nominal 0.50 mm.

Stud Height (net): approx. 3 mm.

Construction Height: approx. 4.5 mm.

Unit Weight: 0.600 kg/m².

Loading Performance: defined by tile specification.

Working Temperature: -10° to 60°C.

Installation Temperature: +5° to 40°C.

Storage Temperature: max. 45°C.

Softening temperature: +160°C.

Stud filling volume: 1.1 litre/m² tile adhesive.

Life expectancy: at least 50 years for defined applications.

Colour: grey, white, and green.

Chemical Resistance:

The product is resistant to all chemicals, to which it can be exposed, in normal building construction.

A small number of aggressive chemicals (e.g., solvents), in large concentrations, can to some extent attack the product during prolonged exposure.

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Applications Separation:

layer between tiles and substrate, preventing the transfer of stresses to the tile surface. Stress cracks in the substrate are bridged and therefore not transferred to the surface covering.

