

Product Specification

Durabase CI-FH

Description	Durabase CI-FH is manufactured from yellow polypropylene (PP), white polypropylene woven fabric. The non-woven fabric is laminated using a polyolefin based adhesive to the top of the studs (lower face of the product is installed). Durabase CI-FH is impermeable and resistant to the usual chemicals in the building construction. The product acts as a mat for installation of electrical heating cables and key for the direct application of tiles using cement based tile adhesive. Studs are formed in a regular pattern on the one face of the product. The studs with overhang, facing a straight wall on the opposite side creates a key for low voltage heating cables to be snapped under the overhang and tile adhesive in order to bond tiles to the product. The product is fixed to the underlying substrate with tile adhesive, using the non-woven fabric as key. For floors where high loads are expected, the load bearing capacity of the product may be ensured by completely filling the formed cavities with tile adhesive. The studs are spaced at approx. 25mm centres. The product is supplied in rolls of 5m and 15m.
Workability	Durabase CI-FH is tough but pliable and the product can be easily cut with a knife or scissors.
Storage	Durabase CI-FH should be stored in unbroken packaging and upright, and preferably under cover, when stored over long periods.
Technical Data	Sheet thickness: nominal 0.80mm Stud height (net): approx 6mm Construction height: approx 6.5mm Unit weight: 0.780 kg/m² Loading performance: defined by tile specification Working temperature: -10° to 60°C Installation temperature: +5° to 40°C, but limited by tile adhesive specification Storage temperature: max. 45°C Softening temperature: +160°C Linear coefficient of thermal expansion: 0.18mm/m°C Thermal resistance: <0.6m²°C/W Air gap volume: ca. 2 litre/m² Stud filling volume: ca. 3.4 litre/m² Life expectancy: at least 50 years for defined applications Colour: yellow, white

Chemical Resistance	Durabase CI-FH 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 Durabase CI-FH during prolonged exposure. For special applications, the supplier should be contacted, with a view to assessing necessary action.
Sizes/Article no.	Rolls of 1m x 5m/15m
Delivery units	Rolls are supplied on pallets of one size: Rolls of 1m x 15m - Pallets of 6 rolls
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.