



Platon P8 Membrane



Description

A waterproofing drainage layer primarily used on walls but may be used on floors where depth of permissible build up is restricted. Platon P8 is manufactured from high density polyethylene (HDPE). It is impermeable to water, water vapour, Radon gas and is resistant to the chemicals and materials commonly used in building construction. When Platon P8 is used as a damp proof or waterproof membrane it may be installed independent of the moisture content in the underlying substrate.

Platon P8 is recommended as a drainage layer on walls and floors within a drained cavity membrane specification. Studs are formed in a regular pattern on the face of the membrane. The studs are spaced at approx. 25mm centres in both directions and are 7mm deep.

Workability

Platon P8 is tough but pliable and can be pre-formed around corners and projections without risk of breaking, even in very low temperatures. The membrane can be easily cut with a knife, shears or scissors.

Storage

Rolls of the membrane should be stored upright and preferably under cover.



Technical Data

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| Raw material: | HDPE |
| Sheet thickness: | Nominal 0.50 mm |
| Stud height: | Approx. 6.5 mm |
| Construction height: | Approx. 7 mm |
| Unit weight: | 0.45 kg/m ² |
| Deformation under long term loading: | Max. 20% (at 50 kN/m ²) |
| Compressive strength: | 150 kN/m ² |
| Working temperature: | -10° to +60°C |
| Softening temperature: | +160°C |
| Linear coefficient of thermal expansion: | 0.18 mm/m.°C |
| Water vapour resistance: | 280 m equivalent air layer |
| Air gap volume: | 4.0 l/m ² |
| Drainage capacity: | Approx. 3.8 l/sm |
| No. of studs: approx. | 1640 per m ² |
| Life expectancy: | At least 50 years for defined applications |
| Colour: | Natural |

Platon P8 is CE marked in accordance with EN 13967 and EN 13984. A separate declaration gives values for several characteristics.

Chemical Resistance

Platon P8 membrane is resistant to the chemicals and materials commonly used in building construction. A small number of aggressive chemicals (e.g solvents) in large concentrations can to some extent attack Platon P8 membrane during prolonged exposure. If exposure to aggressive chemicals is anticipated, advice should be sought from our Technical department.

Temporary exposure to volatile solvents due to splashes or accidental leaks is unlikely to cause any long term damage. Tape or rope joints may need to be inspected and removed if softened or damaged.

Sizes

Rolls of 2.07 m x 20 m (including flat overlapping edge without studs).

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