

MATAPROOF

SILVERSEAL

Product Description

SilverSeal is a lightweight, active sheet waterproofing system for use in structural, water-sealing applications. SilverSeal is a needle punched, non-woven fleece treated with a water-absorbing, water-swelling polymer combined with a high-density PE-membrane. SilverSeal is a well-tested, double-sealing and self-healing system for below grade waterproofing.

Applications

The use of SilverSeal non-woven waterproofing membrane eliminates the need for all conventional waterproofing materials such as bituminous liners, coatings and synthetic membranes of all kinds. SilverSeal can be both pre-applied and post-applied on below-grade concrete structures.

Features and Benefits

- Tough and resistant, quick and easy to install
- High compound shear strength
- Can be installed in every season, independent of temperature and weather condition
- Overlapping can be easily secured with CEM 805 adhesive
- No need for complicated welding equipment or specially trained personnel
- Self-healing properties by the pressure of the swelling polymers
- Seals small cracks in the concrete by the pressure of the swelling fleece
- Can be used in saltwater conditions
- Enormous water absorbing capacity affords swelling and sealing capacity

Physical Properties*

Property	Value
Color	White
Material	Polypropylene fibers, impregnated with water absorbing polymer
Class of Robustness	GRK 3 (dry)
Swelling Material	Water absorbing, swelling polymer
Swelling Pressure	> 170 kN/m ²
Weight	> 450 g/m ²
Thickness	> 1.5 mm

** The values shown are based on system testing under laboratory conditions. Different field application conditions or lab equipment configurations may result in system value variances.*

Packaging

2x50 m roll; 5 rolls per pallet

Installation

SilverSeal should be fixed onto the prepared substrate with the open side (White) facing the concrete to be waterproofed. The closed side of SilverSeal Membrane consists of a silver PE-membrane which must face the water side. All overlaps must be detailed with CEM805 Adhesive. All overlaps should be a minimum of 50mm and should to be mechanically fixed using staples. Do not use fixings on the horizontal overlaps. Roll ends should be staggered by at least 300mm. Backfilling should be clean well compacted as defined by ASTM 1557. The contact pressure should be at least 150 kg/m².

Limitations/ Shelf Life

Shelf life 5 years when stored clean, dry and shaded from sunshine.

Warranty

FPT Infrastructure warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, FPT Infrastructure makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to FPT Infrastructure Products. FPT Infrastructure's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of FPT Infrastructure Products proven to be defective, and FPT Infrastructure shall not be liable for any loss or damage.

Please refer to our website at fptinfrastructure.com for the most up-to-date Product Data Sheets.

NOTE: All FPT Infrastructure Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.