

# MATAPROOF

## EASYSEAL 200 AND 450

### Product Description

EasySeal 200 and 450 is a “light-weight” waterproofing system for the use in any water-sealing applications. EasySeal is a needle punched non-woven fleece impregnated with super absorbing polymer (SAP).

### Applications

Specially designed to provide waterproof protection for below ground concrete structures EasySeal 200 and 450 using the latest technology available eliminates conventional waterproofing materials such as bituminous liners, coatings and synthetic membranes of all kinds. EasySeal 200 and 450 can be pre-applied and post-applied.

### Features and Benefits

- Tough and resistant, quick and easy to install
- High compound shear strength
- Can be installed in every season, independently of temperature
- During the installation contact with rainwater, ground water needs to be avoided
- No need for complicated welding equipment or specially trained personnel
- Quality controlled product
- Self- healing properties by the pressure of the swelling polymers
- Seals small cracks in the concrete by the pressure of the swelling SAP
- Can be used in saltwater conditions
- Tests have been made at the University of Braunschweig, Germany
- Tests have been made at the KIWA Accredited Independent Laboratory, Germany
- Enormous water absorbing capacity and therefore enormous swelling and sealing capacity

### Physical Properties\*

Property	Test Method	Value
Color		White
Type		Needle punched nonwoven, impregnated
Weight		200g/m <sup>2</sup> and 450g/m <sup>2</sup>
Raw Material		Polypropylene fibers
Class of Robustness		GRK 3
Swelling Material		Water absorbing, swelling polymer
Swelling Pressure		> 170kN/m <sup>2</sup>

*\* 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

- EasySeal 200: 2m x 50m per roll; roll height approx. 50 cm; 5 rolls per pallet
- EasySeal 450: 2m x 50m per roll; roll height approx. 50 cm; 5 rolls per pallet

### Installation

All surfaces onto which the EasySeal Membrane is to be applied should be sound, solid and free from voids >12mm. All corners, upstands, pipe / service penetrations, etc. must be detailed correctly (please consult our Technical Department for further advice) prior to the application of the membrane.

EasySeal should be fixed onto the prepared substrate with the fleece facing the concrete to be waterproofed. Horizontal overlaps should be detailed with BPA-CEM805 Adhesive. Vertical overlaps must be secured with BPA-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/m<sup>2</sup>.

### **Limitations/ Shelf Life**

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

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### **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](http://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.