

A new durable watertight solution for below ground structures

DualProof

DualProof is a fully and permanently bonded, self-adhesive, composite sheet that does not only waterproof but protects against gases and chemicals.

It consists of a sealed two layer highly flexible PVC membrane laminated with a non-woven PP-fleece. DualProof is cold/pre-applied, and is installed without heat or open-flame. It is used before the steel reinforcement is fixed and the concrete poured. The **new PP FiberTex Technology** gives the DualProof its unique bond and connection to the concrete.

DualProof is an innovative system that prevents any lateral water migration between the waterproofing membrane and the structural concrete.



Areas of use

DualProof can be applied horizontally as well as vertically and is used in all applications where structures require protection against groundwater and seepage. Typically used in the following constructions:

- New build basements
- Foundations
- Tunnels
- Garages
- All other concrete constructions below ground.

Advantages of DualProof

- Waterproof, damp proof, gas proof and gives concrete protection against chemicals such as sulphate, chloride, carbonate, hydrogen carbonate etc.
- Tough and resistant, quick and easy to install, high compound shear strength
- Can be installed in every season regardless of temperature and weather condition
- No need for complicated welding equipment and specially trained staff, overlapping can be easily secured with CEM 805 adhesive
- Self-adhesive bonding properties on contact with poured concrete
- Seals small cracks in the concrete
- Can be used in saltwater conditions
- CE marked and DIN certified



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Market comparisons

Products on the market

Adhesive or chemical bond

- At low temperatures not sticky
- At high temperatures too soft
- Protection sheet needed
- Very slippery when wet
- Bonding surface very sensitive
- Cannot walk directly on surface



Dual Proof

Mechanical bond

- Not temperature/weather dependant
- No protection sheet needed
- Does not become slippery when wet
- If dirty it can be hosed and brushed clean
- Foot traffic will not effect the fleece



Mechanical bond products

- Complex – 6-8 system components
- Fleece bonded to Polyolefin membrane by grid of adhesive.
- Risk of vapour pressure blisters and water tracking, via capillary action, along fibres at interface with concrete.
- Various sizes for different applications

Dual Proof's mechanical bond

- Simple – 2 components
- The PVC and fleece are manufactured together as one unit due to a highly advanced process. The fleece is water resistant, easy to clean.
- No risk of blisters or water tracking between layers.
- The fleece integrates into the concrete
- One size for all applications

Specifications

Dimensions	1.2m x 25m (30m ²)	Pallet	12 rolls
Thickness	1.7mm	Storage	Dry, frost-free and protected against UV.
Weight	44kg	Shelf life	5 years

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