

# MC-Proof eco

(formerly Expert Proof eco)

Fast hardening, flexible and bituminous-free, economical two-component waterproofing



## PRODUCT PROPERTIES

- Flexible polymer thick coating with ETA assessment (ETA-18/0324)
- Fast drying including colour control
- High UV- and frost-resistance, resistant to ageing
- Crack bridging exhibiting a high flexibility
- Trowel- and spreadable consistency (e.g. wide brush), sprayable (spiral pump)
- Application without priming; can be painted and plastered over
- Slows carbonation and chloride-proof
- Radon proof
- Storable up to -5 °C

## AREAS OF APPLICATION

- Sealing of vertical, horizontal and inclined surfaces (basement walls, terraces, foundations, base plates)
- Refurbishment and reengineering of old waterproofing
- Sealing of pre-pend / movement joints at water resistant concrete
- Plinth sealing in splash water areas
- Installation of protection and drainage boards

## APPLICATION ADVICE

**Substrate preparation:** MC-Proof eco can be applied to all mineral substrates. The substrate has to be clean, frost-free, dry, free from any contamination (e.g. dust, demoulding agent, cement), and free from surface pockets, gaping cracks or ridges. Recesses > 5 mm have to be filled and closed with a suitable barrier mortar (e.g. Nafuquick). In the area of floor to wall connections a concave sealing groove with a mineral mortar (e.g. Nafuquick) has to be created. Before applying a scratch coat, pre-wetting of mineral substrates is necessary. Additionally, on mineral substrates a scratch coat or a first thin layer has to be applied utilizing a wide brush.

**Application:** Both components of MC-Proof eco are mixed at a 1:1 ratio into a homogenous paste utilizing an anchor-shaped agitator at slow rotation rate for at least 3 minutes. **Please note that for optimal mixing of both components the mixing time has to be strictly followed.** MC-Proof eco is applied evenly and pore-free to the substrate in two layers using a trowel, wide brush or smoothing trowel. At least two layers are required and applied fresh in fresh. The layer thickness depends on the potential water loading. A maximum wet layer thickness of approx. 6 mm should be applied.

Additionally, application with a spiral pump is possible. For details, please ask our application technicians.

For sealing of pre-pend and movement joints at building structures consisting of water resistant concrete, MC-Proof eco is applied in two layers with a width of 30 cm in total across both sides of the joint. In between both layers, the reinforcement Nafuflex Grid 25 NF has to be included.

**After Treatment and Protection:** Protect MC-Proof eco from rain until it has developed its rain resistance. Water penetration and frost exposure must be prevented until the coating has dried out completely. Drying should be destructively tested on a reference sample which was stored in the excavation pit. Refilling of the excavation pit is only possible after complete drying.

**Further information:** MC-Proof eco should not be applied on surfaces which get warmer during application. Interruptions of work require MC-Proof eco to be drawn out to zero. Continuous work has to be started overlapping. If there are interruptions, avoid them at edges or corners. When applied in confined spaces the supply of fresh air is required.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density (mixture)	kg/dm <sup>3</sup>	1.18	mixture
Mixing ratio	kg:kg	1:1	
Working time	minutes	approx. 30 - 40	at 23°C and 50% rel. humidity
Application conditions	°C	≥ 1 ≤ 30	air and substrate temperatures
Consumption <sup>1)</sup>			
Drying time	hours	approx. 24	depending on temperature, humidity, substrate and wet layer thickness, drying time may be longer or shorter
Rain resistant after	hours	approx. 4	at 23°C and 50% rel. humidity
Layer thickness (total)	mm	2	minimum layer thickness
Maximum pressure load	N/mm <sup>2</sup>	2.5	
Resistance to diffusion (against carbon dioxide CO <sub>2</sub> )		118.000	coefficient of resistance μ

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

1) see table on page 2

Delivery form	20 kg hobbock 1 pallet (18 hobbocks @ 20 kg)
Storage	Can be stored in original sealed packages at temperatures between -5°C and 30°C in dry conditions for at least 12 months.
Packaging disposal	Make sure single-use containers are completely empty.

### Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : BSW20

**Note:** The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2200011411]