



The BotaGreen AE Sealing and decoupling membrane is a universal composite sealant used under tiles and natural stone coverings, both in interior and exterior areas. The product is suitable for the waterproofing of wall and floor areas in private or commercial zones, and can also be used to seal areas which are subject to heavy water loads in connection with chemical exposure as for example in canteen kitchens. The environmentally friendly BotaGreen AE Sealing and decoupling membrane consists of 60% recycle.

## PROPERTIES

- membrane made from 60% recycle
- Elastic and highly tear-proof
- For damp locations, balconies and terraces
- Quick and easy installation
- Very high ageing resistance
- High chemical resistance

## AREAS OF APPLICATION

Sealing of

- concrete, lightweight concrete, and porous concrete
- fresh concrete (age  $\geq$  3 month)
- joint full brickwork
- cement screeds and calcium sulphate screeds
- mixed substrates
- plasters of the mortar categories CS II, CS III and CS IV in accordance with EN 998 (compressive strength  $\geq$  1.5 N/mm<sup>2</sup>) and gypsum plaster in accordance with EN 13279 (compressive strength  $\geq$  2.0 N/mm<sup>2</sup>)
- old tiling
- Botament BP Building boards
- fibre cement boards
- gypsum plaster boards
- gypsum walls
- mastic asphalt screeds (IC 10)
- magnesia screeds

## SUBSTRATE PREPARATION

The substrate must be in the following condition:

- dry, clean and frost-free
- stable
- free from grease, paint, cement laitance, separating agents and loose particles
- without height step joints
- in true alignment and perpendicular

### Please also note:

- existing cracks must be closed with R70 Casting Resin level irregular substrates
- apply a scratch coat to porous areas or blowholes first of all (e.g. with M21 Classic, M 21HP or M21 HP Speed)
- absorbent substrates must be primed with D11 or D1 Speed
- prime existing tile coverings with D1 Speed or apply a scratch coat using MD1 Speed or a Botament tile adhesive

## APPLICATION

- lay out the BotaGreen AE Sealing and decoupling membrane
- cut to fit using a carpet knife or scissors
- apply M21 Classic, M21 HP or M21 HP Speed onto the prepared substrate (notched trowel: 4 or 6 mm)
- install the BotaGreen AE Sealing and decoupling membrane within the adhesive's open-time (ensuring at least 5 cm overlap)
- press on BotaGreen AE Sealing and decoupling membrane using a rubber roller or float
- avoid air bubbles and cross joints
- allow adhesive to dry fully

Alternatively the application of the BotaGreen AE Sealing and decoupling membrane onto the substrate can be done by means of MD1 Speed, used as a roll fixation.

The subsequent tile fitting can be performed using BotaGreen Flexible adhesive, BotaGreen Flexible adhesive S1, M21 Classic, M21 HP, M21 HP Speed, M29 HP, M30 HP S2, EKF 500, BTK200 Terrachamp, MULTISTAR, MULTISTONE oder RD2 The Green 1.

Joints, internal and external corners as well as penetrations are pasted over with SB78 System sealing tape and the fitting accessories respectively SB100 Flexible zone sleeve. Expansion joints in the substrate must be copied over generally.

The connection of the BotaGreen AE Sealing and decoupling membrane with shower or bath tubs can be done by using SB78 WB tub sealing tape.

### Use of the BotaGreen AE Sealing and Decoupling Membrane under parquet floors

- unevenness of floor surfaces are to be levelled with the Botament levelling compounds
- paste over onnections to walls with SB78 System sealing tape and accessories by using P450 Elastic parquet adhesive or one of the Botament tile adhesives (overlap at least 5 cm)
- apply the BotaGreen AE Sealing and decoupling membrane onto the substrate by using P450 or one of the Botament tile adhesives (overlap at least 5 cm)
- apply parquet with P450

Technical approvals are not issued for this type of construction.

## IMPORTANT ADVISORIES

The BotaGreen AE Sealing and decoupling membrane installed with the tile adhesives M21 Classic, M21 HP and M21 HP Speed has General Building Authority Approval as a system.

Levelling layers must as a matter of principle be installed under the BotaGreen AE Sealing and decoupling membrane.

The BotaGreen AE Sealing and decoupling membrane must after installation be protected against moisture, strong sunlight and against great temperature changes until the adhesive bed has fully cured.

When installing the BotaGreen AE Sealing and decoupling membrane in exterior areas we recommend using our rapid adhesive M 21 HP Speed to avoid bubble formation underneath the membrane.

If laying takes place in areas that are subject to high mechanical stress or trafficable, please contact our technical department first.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Thickness	mm	0.48	
Width	m	1	
Specific weight	g/m <sup>2</sup>	295	
Thermal resistance	°C	> -30 < 90	
Fire behaviour		B2 E	DIN 4102-1 DIN 13501-1
base	polyethylene, laminated with non-woven		
colour shade	green		
delivery form	10 m roll (25 boxes = 250 m <sup>2</sup> / pallet) 30 m- Rolle (16 boxes = 480 m <sup>2</sup> / pallet)		
Storage	Store in a cool, dry place!		

**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. [2300014491]