

# BOTAMENT® AE

## Sealing and Decoupling Membrane

The BOTAMENT® 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.

### Properties

- ❖ Elastic
- ❖ For damp locations, balconies and terraces
- ❖ Highly tear-proof
- ❖ Quickly and easily fitted
- ❖ Extremely good ageing stability
- ❖ High chemical resistance

### Application Areas

#### 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  $\geq$  2.5 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 BOTAMENT® A 60 or BOTAMENT® R 70 Casting Resin
- ❖ level irregular substrates
- ❖ apply a scratch coat to porous areas or blowholes first of all (e.g. with BOTAMENT® M 21 Classic, M 21 HP or M 10 Speed)
- ❖ absorbent substrates must be primed with BOTAMENT D 11
- ❖ apply a bonding course on existing tile coverings (in interior areas with BOTAMENT® D 15, in exterior areas apply a scratch coat using BOTAMENT® MD 1 Speed, M 21 Classic, M 21 HP or M 10 Speed. When using BOTAMENT® M 21 Classic or BOTAMENT® M 10 Speed the mixing water is made up to 1/3 of BOTAMENT® D 10 bonding emulsion.)

### Technical data

material basis	polyethylene, laminated with non-woven
colour	light blue
packaging	10 m roll (25 boxes = 250 m <sup>2</sup> / pallet) 30 m roll (16 boxes = 480 m <sup>2</sup> / pallet)
storage	cool and dry
thickness	0.7 mm
membrane width	1.0 m
mass per unit area	295 g/m <sup>2</sup>
temperature resistance	- 30 °C to + 90 °C
<b>reaction to fire</b>	
building material class according to EN 13501-1	E

# BOTAMENT<sup>®</sup> AE

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### Application

- ❖ lay out the BOTAMENT<sup>®</sup> AE Sealing and Decoupling Membrane
- ❖ cut to fit using a carpet knife or scissors
- ❖ apply BOTAMENT<sup>®</sup> M 21 Classic Flexible Superior Adhesive, M 21 Premium Flexible Adhesive or M 10 Speed Flexible Adhesive onto the prepared substrate (notched trowel: 4 or 6 mm)
- ❖ install the BOTAMENT<sup>®</sup> AE Sealing and Decoupling Membrane within the adhesive's open-time (ensuring at least 5 cm overlap)
- ❖ press on BOTAMENT<sup>®</sup> AE Sealing and Decoupling Membrane using a rubber roller or float
- ❖ avoid air bubbles and cross joints
- ❖ allow adhesive to dry fully

The subsequent tile fitting can be performed using BOTAMENT<sup>®</sup> M 21 Classic, M 21 HP, M 10 Speed, M 29 HP, EF 500<sup>EK 500</sup> or MULTISTONE<sup>®</sup>.

Joints, internal and external corners as well as penetrations are pasted over with BOTAMENT<sup>®</sup> SB 78 sealing tape and accessories.

Expansion joints in the substrate must be copied over generally.

### Important tips

BOTAMENT<sup>®</sup> AE Sealing and Decoupling Membrane installed with the tile adhesives BOTAMENT<sup>®</sup> M 21 Classic, M 21 HP and M 10 Speed has General Building Authority Approval as a system.

Levelling layers must as a matter of principle be installed under the BOTAMENT<sup>®</sup> AE Sealing and Decoupling Membrane.

The BOTAMENT<sup>®</sup> 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 BOTAMENT<sup>®</sup> AE Sealing and Decoupling Membrane in exterior areas we recommend using our rapid adhesive BOTAMENT<sup>®</sup> M 10 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.

**Important Notice:** The information provided here is based on our experience and is given to the best of our knowledge, but is non-binding. All instructions must be adapted to suit the individual building projects, the application purpose and the specific local conditions. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In any case, the generally accepted technical rules must be adhered to. Edition GB-1604. Further technical details can be found in our technical data sheets on our website: [www.botament.com](http://www.botament.com)  
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