

MULTIPROOF®

Hybrid sealant 1c

MULTIPROOF® is a one-component, crack-bridging hybrid sealant used as composite sealant under tiles in interior and exterior areas.
MULTIPROOF® is a practical 2in1 product and can optionally be used in two different material thicknesses either as sealing membrane or as sealing slurry depending on the water exposure.

Properties

- ❖ Ready for use
- ❖ Highly flexible, crack-bridging and fibre-reinforced
- ❖ No primer necessary
- ❖ Composite sealant on balconies and terraces
- ❖ Easy taking out of partial material quantities
- ❖ With visible curing control
- ❖ High UV, frost and aging resistance
- ❖ Tested according to BS EN 14891
- ❖ Can be troweled, rolled up and sprayed
- ❖ Crack bridging ability at very low temperatures (-20 °C) tested according to BS EN 14891

Due to the high content of fibres the finished surface shows a particular high grip and offers an excellent contact area for the subsequent application of the tile adhesive.

Application areas

Sealing of

- ❖ concrete, lightweight concrete and porous concrete
- ❖ joint full brickwork
- ❖ cement screeds and calcium sulphate screeds
- ❖ plasters of the mortar categories CS II, CS III and CS IV in accordance with EN 998 (compressive strength $\geq 1.5 \text{ N/mm}^2$) and gypsum plasters according to EN 13279 (compressive strength $\geq 2.0 \text{ N/mm}^2$)
- ❖ BOTAMENT® BP building boards
- ❖ fibre cement boards
- ❖ gypsum plaster boards
- ❖ gypsum walls
- ❖ mastic asphalt screeds (IC 10)
- ❖ old tile coverings
- ❖ steel and non-ferrous metals

Substrate preparation

The substrate must be in the following condition:

- ❖ stable, clean and frost-free
- ❖ free from grease, paint, cement laitance, separating agents and loose particles

Please also note:

- ❖ existing cracks must be closed with BOTAMENT® R 70 casting resin
- ❖ level irregular substrates
- ❖ on surfaces full of pores or blowholes a scratch coat has to be applied first

- ❖ for the purpose of dust binding absorbent substrates can be primed with BOTAMENT® D 11 or D 1 Speed
- ❖ apply a thin contact layer made of Multiproof® on existing tile coverings

Mineral substrates must be slightly damp or pre-wetted prior to the first application of MULTIPROOF®.

Technical data

material basis	Polymer dispersion with special additives, fine mineral aggregates and fibres
colour	grey
packaging	10 kg bucket 18 kg bucket
pallet delivery	33 x 10 kg 16 x 18 kg
storage	frost-free, cool and dry at least 12 months in its original sealed container
density	~ 1.1 kg/ dm ³
consumption	
interior areas with moderate water exposure (for manufacturing the minimum dry layer thickness d_{\min} of 0.5 mm)	~ 0.80 kg/m ²
interior areas with high water exposure/ balconies and terraces (for manufacturing the minimum dry layer thickness d_{\min} of 2.0 mm)	~ 2.9 kg/m ²
working time	> 1.5 hours
rain-resistant	after ~ 6 hours
time interval between individual layers:	
$d_{\min} = 0.5 \text{ mm}$	~ 1.5- 2 hours
$d_{\min} = 2.0 \text{ mm}$	~ 4- 5 hours
ready to be covered with tiles	after complete through-drying of the second layer
consistency	application by trowel, spray gun, roller or paint brush
application and substrate temperature	+ 5 °C up to + 35 °C
cleaning agent	
when fresh	water
when fully cured	mechanical

All times stated refer to the standard atmosphere of + 23 °C and 50 % relative humidity.

Higher temperatures and lower humidity accelerate, while lower temperatures and higher humidity delay processing time and curing.

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Application

- ❖ stir MULTIPROOF® thoroughly and apply it with a sheepskin roller or a trowel in at least two layers (the previous layer of MULTIPROOF® must have dried out completely)

For processing by rolling short-pile sheepskin rollers are the best choice. The roller should generally be well saturated with MULTIPROOF®.

The subsequent tile fitting can be performed using BOTAMENT® M 21 Classic, M 21 HP, M 29 HP, MULTISTAR®, MULTISTONE® or BOTAMENT® BTK 200.

Joints, internal and external corners as well as penetrations, connections or transitions are covered by including BOTAMENT® SB 78 System sealing tape or BOTAMENT® SB 100 Stretchable zone sleeve and accessories in the first layer of the sealant material and worked over with the second layer.

Visible curing control:

Curing is complete when the waterproofing is no longer the colour it was when fresh (light grey), but has turned dark grey across the entire area.

Important tips

During the hardening process MULTIPROOF® has to be protected from moisture, draughts, solar radiation as well as from strong temperature fluctuations. Avoid negative water pressure.

While curing the relative humidity must not exceed 80 %.

You can view or download the safety datasheet at www.botament.com.

To achieve optimal results we recommend conducting a site-specific test sample prior to using.

List of chemical resistance in accordance with EN 12808

water	+
bleaching lye	+
beer	+
acetic acid 5%	+
fatty acid (olein)	-
orange juice	+
lactic acid 2%	+
caustic soda 2%	+
nitric acid 2%	+
red wine	+

+ resistant

(-) partially resistant under occasional loading

- not resistant

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- 1912. Further technical details can be found in our technical data sheets on our website: www.botament.com.
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