

# BOTAMENT® BTD 200 TERRACHAMP

## Balcony and Terrace Drainage Mortar 2c

BOTAMENT® BTD 200<sup>TERRACHAMP</sup> is a reaction resin mortar that is pervious to water for the production of substructures on balconies and terraces, enabling the water to drain off. BOTAMENT® BTD 200<sup>TERRACHAMP</sup> is used in conjunction with BOTAMENT® BTK 200<sup>TERRACHAMP</sup> Balcony and Terrace Adhesive and BOTAMENT® BTF 200<sup>TERRACHAMP</sup> Balcony and Terrace Joint Mortar to produce highly frost-resistant balcony and terrace coverings that are free from efflorescence.

### Properties

- ❖ Drainage mortar for the BOTAMENT® TERRACHAMP system
- ❖ High resistance against freeze-thaw cycles
- ❖ Extremely low-shrinkage during curing
- ❖ Highly loadable
- ❖ Easy to process
- ❖ High protection against efflorescence by HYDRO O2 Flex-Technology
- ❖ Makes low mounting heights possible

### Application Areas

Production of

- ❖ thin-layered drainage mortars
- ❖ height-adjustment layers capable of draining
- ❖ filling of drainage membranes reinforced with a plastic grid on the top (the filling has to be made flush with the membrane surface)

### Suitable substrates

- ❖ bituminous waterproofing
- ❖ BOTAMENT® RD 2 The Green 1
- ❖ bonded damp proof course with BOTAMENT® MD 1, BOTAMENT® MD 28 or the BOTAMENT® AE Sealing and Decoupling Membrane

### Substrate preparation

The substrate must be in the following condition:

- ❖ dry to slightly damp and clean
- ❖ stable
- ❖ free from separating agents and loose particles
- ❖ at least 1.5 % gradient

Bituminous waterproofing or bonded damp proofing that needs to be processed in liquid form must be protected with a single-layered separation membrane prior to the installation of BOTAMENT® BTD 200<sup>TERRACHAMP</sup>.

This protective measure becomes obsolete when fitting BOTAMENT® BTD 200<sup>TERRACHAMP</sup> onto the BOTAMENT® AE Sealing and Decoupling Board.

Subsequently, suitable screed shoulder strips and metal edging are installed at the right height.

### Technical data

material basis	2-component reaction resin binder agent plus BOTAMENT® SD specialist sand (grain size 1-2 mm)
colour binder agent	transparent
packaging	<u>BTD 200<sup>TERRACHAMP</sup> binder agent</u> 1 kg unit 0.75 kg component (A) 0.25 kg component (B)  <u>SD specialist sand</u> 25 kg plastic bag
storage binder agent	frost-free, cool and dry at least 12 months in its original sealed container
density	~ 1.1 kg/ dm <sup>3</sup>
temperature resistance	- 30° C to + 70° C (dry heat)
mixing ratio binder agent	3 (A) : 1 (B)
mixing ratio Drainage Mortar	1 kg binder agent / 25 kg specialist sand (0.04 kg binder agent / 1.0 kg specialist sand)
minimum layer thickness	20 mm
working time	~ 20 to 30 minutes
walkable	after ~ 8 hours
ready to receive tiles	after ~ 8 hours
fully loadable	after ~ 7 days
Application and substrate temperature	+ 10 °C to + 30 °C
<b>cleaning agent</b>	
when fresh	special cleaning tissue
when fully cured	by mechanical means

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

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

# BOTAMENT<sup>®</sup> BTD 200 TERRACHAMP

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### Application

#### Mixing up the binder agent

- ❖ add B component to A component and mix both together with a slowly rotating mixer for at least 3 minutes
- ❖ to avoid mixing mistakes re-pot the binder agent after mixing into a clean container (scratch container absolutely clean) and mix up again

#### Production of the drainage mortar

- ❖ mix the already mixed up binder agent with a suitable mixing device with BOTAMENT<sup>®</sup> SD specialist sand
- ❖ apply BOTAMENT<sup>®</sup> BTD 200 TERRACHAMP to the prepared substrate and spread evenly using a metal straightedge and smooth over with a smoothing trowel

The exact mixing ratio as stated by the manufacturer must be adhered to.

#### Consumption of drainage mortar

- ~ 0.6 kg/ m<sup>2</sup>/ cm binder agent
- ~ 16 kg/ m<sup>2</sup>/ cm specialist sand

### Important Tips

When installing mortars all existing standards and guidelines in their current versions must be observed.

BOTAMENT<sup>®</sup> BTD 200 TERRACHAMP must not be applied to wet or damp substrates and must be protected from wetness and rain while fresh.

During application the ambient and substrate temperatures must be at least + 10 °C. Temperatures falling below this threshold limit but staying above freezing at night are uncritical once application is complete. If the minimum temperature goes below the limit enduring after the application the tiling has to be encased and heated directly after finishing work.

So as to achieve optimal results, we recommend conducting a site-specific test sample prior to application.

People with sensitive skin may experience allergic skin reactions when processing reaction resin materials. To avoid any contact with the skin suitable protective clothing must be worn during application.

You can view or download the safety datasheet at [www.botament.com](http://www.botament.com).

**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-1311. 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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