



M29 HP is a flexible pourable bed adhesive for the fast and efficient fitting of almost all ceramic floor coverings in interior and exterior areas.

PRODUCT PROPERTIES

- Maximum productiveness
- Highly flexible
- For heated areas, balconies and terraces
- For tilings almost free of hollow spaces
- Extremely smooth application
- For high mechanical stress
- Particularly well suited for large formats
- Cristalline water bonding

AREAS OF APPLICATION

Bonding of

- vitreous stoneware and porcelain
- split tiles
- floor clinker slabs, clinker tiles and cotto

M29 HP has been developed especially for construction projects with the highest requirements concerning the floor covering.

SUITABLE SUBSTRATES

- concrete
- old tiling
- cement screeds and calcium sulphate screeds
- sanded mastic asphalt screeds (IC 10)

SUBSTRATE PREPARATION

The substrate must be in the following condition:

- dry, clean and frost-free
- stable
- free from grease, paint, cement laitance, separating agents, sinter layers and loose particles
- in true alignment and perpendicular

Please also note:

- unevenness of floor surfaces are to be levelled with M200 Multi-mortar
- carry out large surface floor levelling with levelling compounds BotaGreen MegaFlow or M53 Extra
- absorbent substrates must be primed with BotaGreen primer or D11
- prime calcium sulphate screeds with D11 (2 x undiluted), G140 or E120 (scatter G140 and E120 with quartz sand while fresh)
- perform a Concrete Moisture Test to check the residual moisture in cement and calcium sulphate screeds

maximum permissible residual moisture

| | | |
|-----------|----------|--------|
| substrate | unheated | heated |
|-----------|----------|--------|

SUBSTRATE PREPARATION

| | | |
|-------------------------|------------|------------|
| cement screed | 2.0- 2.5 % | 2.0- 2.5 % |
| calcium sulphate screed | 0.5 % | 0.3 % |

- minimum age of concrete substrates: 3 months
- maximum layer thickness of M29 HP on sanded mastic asphalt screeds: 5 mm

If the substrate is made from non-absorbent material or is made of old tiles, it must first be primed using BotaGreen primer (undiluted) or must receive a scratch coat 24 hours prior to installation using M29 HP.

APPLICATION ADVICE

- mix up using cold, clean water while stirring with a slow rotating agitator until a homogenous, stiff and paste-like mass has formed
- briefly stir again after the maturing time
- M29 HP is poured from the bucket onto the substrate
- first apply a thin contact layer of M29 HP using the smooth side of the notched trowel onto the substrate
- then apply M29 HP onto the fresh contact layer with the notched side of the trowel
- press tiles using light pressure and a side-to-side movement into the adhesive bed and position

CONSUMPTION

| | |
|----------------------|-------------------------|
| 10 mm notched trowel | ~ 3.2 kg/m ² |
| medium bed trowel | ~ 4.8 kg/m ² |

IMPORTANT ADVISORIES

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

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.

When fitting larger tiles (especially in connection with heated constructions) and for works in exterior areas, we recommend the use of M29 HP in the combined method.

If the substrate is made of gypsum-containing material, the respective manufacturer's guidelines must be observed.

Due to the material-related movements of mastic asphalt in case of temperature changes, tile and slab coverings should not be laid on it outdoors.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic | Unit | Value | Comments |
|------------------------------|--------------------|---------------|-------------|
| Density | kg/dm ³ | ~ 1.7 | |
| Thermal resistance | °C | > -20 < 80 | |
| Optimum water solids content | % | ~ 30 | |
| Mixing ratio | l | ~ 7.5 | water/25 kg |
| Ageing time | minutes | ~ 5 | |
| Open time | minutes | ~ 30 | |
| Working time | minutes | ~ 60 | |
| Layer thickness (maximum) | mm | 20 | |
| Accessible after | hours | ~ 6 | |
| Groutable after | hours | ~ 6 | |
| Resilient after (full) | hours | ~ 24 | |
| Application conditions | °C | > 5 < 30 | |

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

| | |
|----------------|---|
| base | cement combination with mineral fillers and additives |
| delivery form | 25 kg bag |
| Storage | Can be stored in cool and dry conditions for at least 12 months in original unopened packs. |
| Cleaning agent | when fresh: water, when fully cured: cement laitance remover |

GISCODE : ZP1

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 Bota-ment'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. [2400024572]