

Prince Color[®] Z 301 Super šedá

Prince Color[®] Z 301 Super bílá

Reinforcing adhesive screed for thermal insulating systems

Extent of use

- For indoor and outdoor application
- For walls, ceilings adhesive bonding of insulation polystyrene and mineral fibre boards
- Reinforcing screed creating basic reinforcement layer of insulation systems.
- Ground render for final thin-layer light plasters
- Ground render masonry of bricks and solid plasters
- Suitable for footstall areas

Product attributes

- Meets requirement of CZB directive.
- Frost resistant
- Flexible and solid, easy and fast work with insulation boards
- Glass fibre reinforcement, better adjusts surface tension in substrates and reinforcing screeds
- Due to its technical parameters allows efficient working during reinforcement screed applications

Substrate preparation

- The substrate must be solid, even, dry, clean and free of dust, oils and adhesive old coats.
- Absorbent substrates must be primed with Prince Color[®] Multigrund PGM.
- Very absorbent substrates must be primed until absorbs (do not allow veneer creation), smooth and low absorbent substrates prime with Prince Color[®] Multigrund PPB coat.
- Standard gauging ration and consequential technological pause must be kept
- Adhesive substrate must be levelled, no accident more than 10 mm to 1 m lengthwise (measured by pole).
- Basic reinforcement layer substrate must be levelled, no accident more than 5 mm to 1 m lengthwise (measured by pole).

Application

Mixing

- Dry mortar is properly blended with clean gauging water (according ČSN EN 1008) mixed with suitable stirrer mounted on an electric drill (max. 500 r.p.m.) until required consistency of lump free mixture is achieved. Allow slake for about 3 minutes then remix briefly.
- Mixing can be processed also mechanically with plastering machine provided with blending pump (revolving mixer). Mix- and -pump machines with suitable after-mixing device can also be used.

Application of bonding mortar onto insulation boards

- Apply bonding mortar Prince Color[®] Z 301 Super on insulation polystyrene boards with trowel bonding mortar alongside underside border and approx.2 dots the size of palm in direct axis of the board (this Buttering-Floating method is used when accidents are close to 10 mm for 1 m length) or using notched trowel for full –

screen bonding is used for boards from mineral fibre with perpendicular/normal fibre.

Application for full area reinforcing – basic layer creation

- Apply bonding mortar Prince Color[®] Z 301 Super with notched trowel (teeth 10/10 mm) underside of the substrate. Position the reinforcement mesh by pushing it into the adhesive bed and smooth with trowel. Bonding mortar penetrating the whole mesh is spread evenly to cover the whole area. Cover bare areas with additional bonding mortar. Minimum thickness of basic layout 3 mm. (Reinforcement mesh must not be visible positioned on upper third of reinforced layout being not visible on surface)

Technical Datasheets

Material Basis	Cement and special fine-grained additives.
Bulk density	approx. 1,45 – 1,55 kg/dm ³
Fresh mortal density	approx. 1,6 kg/dm ³
Gauging water	potable water or clean water
1 kg of powder	approx.0, 23 litres
5 kg bag	approx.1, 15 litres
25 kg bag	approx.5, 75 litres
Working time*	approx. 60 minutes
Open time*	min. 20 minutes
Compressive strength after 28 days	min.13 MPa
Tensile strength after 28 days	min. 5 MPa
Adhesive strength after 28 days	min. 0,5 MPa
Working temperature	+ 5°C to +25 °C
Frost resistance	yes, min. 25 cycles
Consumption**	approx.1, 3 kg of dry powder/m ²
(adhesive and reinforcing)	and 1 mm layer thickness
Adhesive consumption	
- full area	approx. 3 – 4,5 kg dry mortal/m ²
- buttering-floating	approx. 4 – 5 kg dry mortal/m ²
Reinforcement screed consumption	approx. 3 – 4 kg dry mortal/m ²
Total consumption (adhesive and reinforcement)	approx. 6 – 9 kg dry mortal/m ²

Setting*

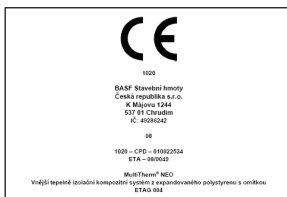
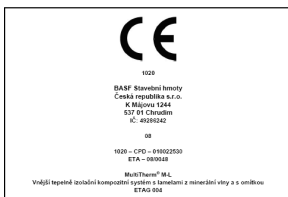
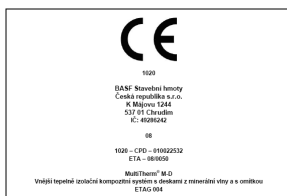
(on low absorbent substrate)	
- thin layer render after	approx.2 days
- other layers application after	approx.2 days
Temperature resistance	- 40°C to + 80°C
Colour tints	grey and white

*At + 23 °C and 50 % relative humidity. Higher temperatures reduce and lower temperatures increase mentioned the times given.

** It is necessary to count with larger consumption for accident substrates and machine application

Note:

The product can be used as component of ETICS (kit) MultiTherm®. In this case the application of the component prescribe in installation guide for the ETICS (kit) MultiTherm®. For ETICS (kit) MultiTherm® M-D, MultiTherm® M-L, MultiTherm® NEO, MultiTherm® P there is following CE marking valid



Packaging and storage

- 25 kg PE lined paper bag, delivery on wrapped EURO pallets.
- Shelf life in dry warehouse is 12 month from the date of production.

Please note

- Do not apply at substrate or ambient temperatures under +5°C and above +25°C
- Protect freshly applied mortar from rapid fast drying (wind, direct sun, high temperature)
- In joint areas like concrete/masonry, joints between boards and corners it is not recommended to make continuous slab. The joints must overlap at least 20 cm.
- Masonry must be in stable and levelled moisture. Works on indoor renders or screeds must be finished.
- Our regional technical specialists can provide detailed instructions and demonstration of the correct application of bonding mortar and for screed reinforcing.
- In footstall board area is on reinforcement screed applied water -repellent coating system or decorative mosaic render Prince Color® Multiputz MP.
- Do not add any additional materials

Safety instruction

Mixture can irritate skin, eyes and mucus membrane. There is risk of allergic reaction in case of skin contact. During work avoid contact with skin and eyes. Do not inhale. Do not eat and drink during application. Keep out of reach of children. Wear suitable protective clothing and gloves.

Information for architects and engineers

Consultations on the building sites, additional information, tests and samples descriptions are available at our technical specialists or directly at headquarters.

Disposal information

Product is to be disposed in accordance with particular rules valid in country of use. Do not allow product to reach ground water, water bodies and sewage systems.

BASF Stavební hmoty Česká republika s.r.o.
K Májovu 1244
CZ-537 01 Chrudim
T: +420 469 607 111
F: +420 469 607 112
E-mail: info.cz@basf.com
www.basf-sh.cz