

Prince Color Z 301 K

Tile adhesive for tile and paving

Extent of use

- For indoor and outdoor use
- For floors and walls.
- For laying of absorbing construction materials (blocks, white earthenware tiles, brick-built and cement materials)
- On concrete, cement screeds and render.

Product attributes

- With official test approval according ČSN EN 12004 with C1 certifikat.
- Frost resistant
- Good adhesion to absorbing materials.

Substrate preparation

Minimum age of the substrate

- Rapidly curing screeds a1 - 2 days
- Renders approx. 7 days
- Cement screeds approx. 28 days
- Construction concrete approx. 90 days

The substrate must be solid, clean and load bearing. Oil stains, rests of form removal oils and other residues must be thoroughly removed. The substrate irregularities must be levelled. Floors should be levelled with suitable self levelling compound Prince Color® range. Renders and absorbent substrates, are to be primed with Prince Color® Multigrund PGM. Very absorbed substrates must be coated with primer until absorb (do not allow to create glossy surface). Use standard gauging ratio and allow primer to dry. Freshly applied cement screeds must not have a residual moisture content above 4%, anhydrite and/or gypsum based screeds not more than 0,5 % (measured with a CM-moisture meter).

Application

Mixing

1/ It is necessary to mix the mixture properly with potable water by suitable low speed stirrer mounted on an electric drill (max. 500 r.p.m.) until lump-free consistency is achieved. Adhesive mixture is allowed to slake for about 3 minutes then is remixed briefly.

2/ A thin adhesive bonding thickness is applied to the substrate with a smooth edge of the stainless trowel. An adhesive bed is applied by notched trowel in one direction if possible. It is necessary to mix only as much mortar as it is possible to use during the open time (approx. 10 minutes).

3/ The open time is checked by finger test.

4/ Tiles are positioned into adhesive bed by gentle shifts and smoothed.


Technical Data

Material Basis	Concrete and fine grain additives.	
Bulk density	approx. 1,5 – 1,6 kg/ dm ³	
Volume weight of fresh mixture	approx. 1,6 kg/ dm ³	
Gauging water for	potable water	
- 1 kg mixture	0,24 l	
- 25 kg package	6,00 l	
Working time*	approx. 60 minutes	
Opening time*	approx. 10 minutes	
Adhesive layer thickness	approx. 5 mm	
Working temperature		
substrate temperature	+ 5°C to +25 °C	
Curing times* - can be walked on	approx. 24 hours	
- can be grouted on	approx. 24 hours	
- fully load-bearing	approx. 14 days	
Consumption	required notch size	consumption
/ type of tiles		
Small mosaic	3-4 mm	approx. 2,4-3,0 kg/ m ²
Ceramic Tile 15x15	5-6 mm	approx. 3,5-4,0 kg/ m ²
Coarse Ceramics	8-10 mm	approx. 4,0-5,0 kg/ m ²

*At + 23 °C and 50 % relative humidity. Higher temperatures speed up and lower temperatures increase mentioned times.

Please note

- Do not apply at temperatures under +5°C and above +25°C.
- Do not apply when temperature drops under + 5°C or forcoming frost.
- Do not apply under windy or direct sun shine conditions.
- Fresh applied mixture should be protected against rapid drying.
- The real consumption depends on substrate quality, ceramic tile type, used tools and the way of application.
- Adhesive Prince Color® Z 301 K does not level irregularities of substrate.
- Mortar with initial curing cannot be diluted with water or mixed with fresh one.
- It is necessary to use adhesives Prince Color® Z 301 FX Profi, Prince Color® Z 301 CL Profi or Prince Color® Z 301 FX Forte eventually Prince Color® Z 301 Speciál for tile and paving adhesion on non absorbing and smooth substrates as well as for paving on balconies, outdoor terraces and heating floors.
- Tools should be washed with water immediately after use; cured residues can be removed by mechanical means.
- It is not allowed to add other substances to the mixture.

 viz datum výroby vytištěné na obalu
BASF Stavební hmoty Česká republika s.r.o. K Majovu 1244 537 01 Chrudim
EN 12 004 Normální cementová malta pro keramické obkladové prvky
Reakce na oheň: třída A1/ A1, Počáteční tahová přídržnost: 0,5 N/mm ² Tahová přídržnost po tepelném stárnutí: 0,5 N/mm ² Tahová přídržnost po sličení ve vodě: 0,5 N/mm ² Tahová přídržnost po cyklu zmrazování/rozmrzávání: 0,5 N/mm ²



Packaging and storage

Packaging 25 kg bag with PE liner, delivery on wrapped EURO pallets.

Shelf life in dry warehouse is 12 month from the date of production.

Safety instruction

Mixture can irritate skin, eyes and mucus membrane. There is risk of allergic reaction in case of skin contact. Avoid contact with skin and eyes during work. 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 particular technicians and the headquarters.

Waste material disposal instruction

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