

# Prince Color Z 301 DL

Dispersion adhesive for tiles.

## Extent of use

- For indoor application on walls.
- For laying of tiles, ceramic and glass mosaics, stoneware, polystyrene, polystyrol, polyuretane and phenol resin plates.
- On gypsum fibre boards, concrete, aeroconcrete, plaster, cement-lime and cement renders. Could be used on formica boards, chipboards, OSB boards and on old tiles.

## Features

- Official test certificate, meets the requirements of D1TE in accordance with ČSN EN 12004, complies with the requirements of EU standards.
- Dispersion adhesive ready for use.
- High flexibility, adhesion, resistant against vibration and malformation.
- White colour does not change the tint of transparent tiles.
- Easy workable.

## Substrate preparation

- The substrate must be sound, clean and load bearing. Oil stains, residues of stripping oil stains and other contamination must be thoroughly removed. Substrate must be maintained against capillary moisture.
- Absorbing renders and substrates are to be primed with Prince Color® Multigrund PGM prime. Very absorbing substrates are to be primed till absorbing (avoid glossy surface).
- Smooth or slightly absorbent surfaces are to be treated with thin contact layer of Prince Color® Z 301 DL adhesive allowing to dry.

## Application

- A thin bond coat is applied to the substrate with a smooth edge of a stainless trowel.
- Adhesive layer is applied by notched trowel if possible in one direction. Apply only in are which could be tiled or paved during the open time. The open time is checked by finger tips.
- Tiles are positioned into adhesive bed by gentle shifts and smoothed.

## Grouting

For grouting of tiles and paving are used following grouts:

- Cement grouting material Prince Color® FM (joint width 1- 8 mm)
- Flexible cement hydrophobised grouting material Prince Color® FM-FX (joint width 1- 12 mm) event. Prince Color® FM-FX Plus.
- Neutral silicone sealing material: Prince Color® FM-S

## Technical Data

Material basis	Polymer, mineral fillers, thickeners and cellulose derivates dispersion.	
Bulk density	approx. 1,7 kg/dm <sup>3</sup>	
Adhesive bedding thickness	2 up to 4 mm	
Open time*	approx. 30 minutes	
Initial tensile strength	0,5 N/mm <sup>2</sup>	
Tensile strength after water dipping	0,5 N/mm <sup>2</sup>	
Tensile strength after heat action	0,5 N/mm <sup>2</sup>	
Tensile strength after freezing/defrosting cycles	0,5 N/mm <sup>2</sup>	
Working temperature/substrate temperature	+5°C up to +25°C	
Temperature resistance	-10°C up to +60°C	
Curing time*		
- grouting after	after 2 - 5 days	
- fully- load bearing	after approx. 14 – 21 days	
Consumption accor.tile	notch size	consumption
Small mosaics	3-4 mm	approx. 1,9-2,5 kg /m <sup>2</sup>
Tiles 15x15	5-6 mm	approx. 2,5-4,0 kg /m <sup>2</sup>

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

## Packaging and storage

Packaging 5 kg plastic pail, delivery on wrapped EURO pallets.

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

## Please note

- Do not apply at temperatures under +5°C and above +25°C, under strong sunny lights and wind
- For correct function of ceramic tiles and pavements it is necessary to have sufficient cover of reverse side of tile
- Do not apply in areas with sustained moisture (pools, fountains, saunas, etc.) and on substrates subject to permanent moisture action.
- Do not use for adhesive bonding of non-absorbing tiles on non-absorbing substrates.
- The material is not suitable for adhesive bonding of nature stones especially marble
- Curing time and drying time of adhesive depend on size of tiles, temperature and moisture within the working place. High moisture and lower temperature increase curing time.
- Pasty material must not be diluted with water.
- Do not add any additional materials
- Tools should be washed with water immediately after use; cured residues can be removed by mechanical means.

**Safety instruction**

Mixture can irritate skin 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. Avoid the leak to the pipeworks and courses.

**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.

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