DCI 200 MAX

Go to TDS

Adhesives

POLYMER MODIFIED THIN-SET THAT PROVIDES MAXIMUM NON-SAG PERFORMANCE ON WALLS, MAXIMUM BUILD UP OF UP TO 18 MM WITHOUT SHRINKAGE FOR FLOORS AND MAXIMUM COVERAGE DUE TO ITS LIGHTWEIGHT CREAMY SMOOTH CONSISTENCY

PRODUCT DESCRIPTION

DCI 200 Max is a high performance polymer modified, cementitious adhesive with slip resisten (T) for ceramic and porcelain tiles. DCI 200 Max is a C2TP1 class cementitious (C), improved (2), no slip (T) adhesive. DCI 200 Max can be used on walls and floors for thin bed and medium bed installations of tiles and stone material. According ISO 13007 is classified as normal adhesion strength on plywood substrate (P1).

FIELD OF APPLICATION

- For interior and exterior use
- For floors and walls
- For thin-bed installations of all types of tiles
- Suitable for installation of large format tiles
- For thicknesses up to 6 mm
- Suitable for application over waterproofing products
- Suitable for laying tile on plywood substrate
- For residential areas
- Suitable for large format tiles and slabs
- Suitable for application over existing tiles

SUITABLE SUBSTRATES

- Concrete
- Cement Mortar
- Cement Mortar Bed
- Cement Plaster/Render
- Cement Block
- CMU
- Gypsum Underlayment
- Gypsum Wallboard
- Liquid waterproofing membranes
- Uncoupling membranes
- Existing tiles
- Cutback adhesive

LIMITATIONS

- Do not mix with other elements.
- Do not apply on metallic or rubber substrate.
- Do not apply for marbles or stone tiles subject to staining or efflorescence cause by water absorption.
- Do not apply on substrate subject to significant movement or vibration.
- Do not apply on not sufficient cured substrate.

APPLICATION PROCEDURE

a) Preparation of the support

The support must be totally dried, mechanically hard, free of oils, grease, wax, paint, and lose particles. All substrates must not be subject to shrinkage after the installation of the tiles. During the spring and summer period, renders must be cured for at least one week for every centimeter of thickness, and cement screeds must

be cured for at least 28 days unless they have been made with DCI special binders for screeds such as Screed 80, Level S10, or with Level S30. Gypsum substrates or anhydrite screeds must be perfectly dry (max. residual moisture 0.5%), sufficiently hard, and free of dust. They must be treated with DCI Grip Primer or Beton Contact, while areas subject to high humidity must be treated with Primer CTA.

b) Preparing the product

DCI 200 Max must be mixed with clean water until obtaining a homogenous mixture. After 5-10 minutes of resting, the mix should be mixed again. After this, the product is ready to be used. The water demand to be used is approximately 28-30% of DCI 200 Max (equal to ca. 7.-7.5 liters of water). The mixture, produced in this way, is workable for at least 4 hours.

c) Applying the product

DCI 200 Max is applied with a notched trowel onto the substrate. Choose a trowel that will give coverage to the back of the tiles at least 65-70% for walls or indoor light foot traffic. For heavy traffic, the coverage must be 100%. To obtain good adhesion to the substrate, the following system is recommended: first, apply a thin coat of DCI 200 Max using the smooth side of the trowel and immediately after applying the desired thickness of DCI 200 Max using the toothed side of the trowel.

d) Installing the tiles

It is unnecessary to wet the tiles before installation; however, the backs are very dusty, they should be wiped in clean water. The tiles are installed under firm pressure to ensure good contact with the adhesive. DCI 200 Max open time in normal temperature and humidity is 20-30 minutes. Unfavorable weather conditions (high temperature, strong sun, drying wind) or high absorbent substrate may shorten the open time and, in some cases quite drastically, to just a few minutes. For this reason, there should be continuous controls to see if the adhesive is still fresh to the touch or has formed a surface skin. Should a surface skin have formed, the adhesive should be retroweling. It is inadvisable to wet the adhesive when it has formed a skin because a non-adhesive film will be formed instead of dissolving the skin. Adjustment of the tiles, if necessary, should be carried out within 60 minutes following installation, after which time adjustment will become problematic. Tiling installed with DCI 200 Max must not be subject to rain for at least the first 24 hours and must be protected from frost and direct sun for at least 5-7 days after application.

e) Applying the grout

The grout installation can be done after a minimum of 8 hours curing time at 23°C and 50% relative humidity for walls and after a minimum of 24 hours curing time at 23°C and 50% relative humidity for floors. Conditions may change the setting and curing time significantly.

COVERAGE / CONSUMPTION

- 1,5 kg/m² with a 4 mm notched trowel
- 3 kg/m² with a 8 mm notched trowel
- 3.5 - 4 kg/m² with a 10 mm notched trowel
- 7 - 8 kg/m² with a 20 mm notched trowel

PACKAKING

DCI 200 Max is supplied in 25Kg paper bag.

SHELF LIFE

Original sealed bags of this product are guaranteed to be of first quality for 12 months if stored off of the ground in a dry area. High humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

DCI 200 FLEX contains cement that, when in contact with sweat or other body fluid, can cause allergic reactions to those predisposed and irritant alkaline reactions and allergic reactions to those predisposed. It can cause damage to the eyes. Wear protective gloves, goggles and take the usual precautions for handling chemicals during use. When in case of contact with skin or eyes wash immediately with plenty of water and seek medical attention.

TECHNICAL DATA

Product identity	
Consistency:	Powder
Color:	White or Grey
Bulk density (kg/m³):	1250
Dry solids content (%):	100
Maximum grain size:	0.6mm
Classification:	EN 12004 and EN 12002
Application data (at +23°C and 50% R.H.)	
Mix ratio:	28-30% with water
Consistency of mix:	very pasty
Density of mix (kg/m³)	1450
pH of mix:	12
Pot life:	over 4 hours
Application temperature:	+5°C to +40°C
Open time:	>20 minutes
Deformability:	0.2mm
Adjustability time:	approx. 50 minutes
Final performances	
Adhesion strength according to EN 1348 (N/mm³) – Initial adhesion strength (after 28 days): – Adhesion strength after heat: – Adhesion strength after water immersion: – Adhesion strength after freeze-thaw cycles:	 2.65 2.74 2.65 2.45
Temperature resistance after final cure:	from -30°C to +90°C

WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor/...

EMISSION CLASS FOR BUILDING MATERIAL M1

+1 55 12 258 428
info@dc-industries.us
www.dc-industries.us

DC INDUSTRIES

Via sorte, 2, 24030
Barzana BG, Italy