

UZIN CEM-25

Ready to use dispersion tile adhesive

Description:

Very low emission dispersion tile adhesive for fixing fine and coarse, large, and small format ceramic tiles and mosaics. Thanks to its flexibility, especially suitable for use on light-weight wall and floor constructions on concrete, gypsum-plates, mineral substrates, wood etc. For interior applications.

Suitable for/on:

- ▶ fine and coarse, large, and small format tiles
- ▶ dry or only slightly wet areas (e.g. domestic kitchens, toilets, bathrooms, workshops and leisure areas)
- ▶ concrete and/or gas concrete
- ▶ brickwork
- ▶ cement-, and gypsum- renders
- ▶ plasterboard, cement fiber-boards

Especially useful in renovation works due to easy and clean application, e.g. in refurbishment of old buildings.

Product Properties /Benefits:

Ready to use dispersion adhesive with thick paste consistency, for all thin-bed installation work. Combines good adhesion with the highest demands in respect of workplace protection, indoor air quality and environmental compatibility. Sets by evaporation of its water content.

Composition: Modified polyacrylate copolymers, thickening-, wetting- and de-foaming- agents and preservatives, mineral fillers and water.

- ▶ For adhesives bed-thickness up to 5 mm
- ▶ Smooth and easy to apply
- ▶ Low slump
- ▶ Neutral odor
- ▶ Solvent-free
- ▶ Very low emissions

Technical Data:

Packaging:	Plastic containers PE
Sizes:	15kg, 5 kg and 1kg
Storage:	minimum 12 months
Color liquid/dry:	cream white
Consumption /coverage:	100 – 300 g/m ²
Minimum working temperature:	10 °C
Ideal working temperatures:	15 - 25 °C substrate surface
Working time:	approx. 30 minutes*
Ready for grouting:	after 1-2 days*
Load bearing:	after 2-3 days*
Final Strength:	after 7 days*

* At 20 °C and 65% relative humidity.

Substrate preparation:

The substrate must be level, sound, dry, free from cracks, clean and free from materials that would impair adhesion. Test the substrate in accordance with applicable standards and notices and report any deficiencies.

Mechanically prepare smooth concrete surfaces, soft or weakly bonded surface areas and clean until dust-free. Prepare the substrate according to type and condition with suitable primers and smoothing compounds from the UZIN product range. Prime gypsum-based substrates. Always allow primers to dry thoroughly.

Refer to the Product Data Sheets for the UZIN products used.

Application:

1. Using a smoothing trowel, scratch-apply a thin contact coat to fully cover the surface.
2. Onto the contact coat whilst still fresh, apply an adhesive bed as much as can be filled within the open working time.
3. Lay the tiles into the adhesive bed with a light twisting motion and press well down. Freshly laid tiling can be grouted after 1 – 2 days*. Clean tools and contaminated surfaces with water and soap while the adhesive is still fresh.

Consumption Data:

Joint width/ Trowel Notch	Consumption	Coverage per 5 kg drum
3 mm (C3)	1.7 kg /m ²	2.9 m ²
4 mm (C1)	2.0 kg /m ²	2.5 m ²
6 mm (C2)	2.5 kg /m ²	2.0 m ²
8 mm (C4)	3.0 kg /m ²	1.6 m ²

Important notes:

- ▶ Shelf life minimum 12 months in original packaging when stored in relatively cool conditions. Protect from frost. Tightly seal opened containers and use the contents as quickly as possible.
- ▶ Optimum working conditions are 18-25 °C, relative humidity < 75%. Do not use at <5°C and > 35°C. Low temperatures and high humidity lengthen, whilst high temperatures and low humidity shorten the working-, setting- and drying- times.
- ▶ Due to the setting of the adhesive by loss of its water content, at least one surface (substrate or tile backing) must be absorbent.
- ▶ Where the substrate and /or tile have low absorbency, leave grouting until the adhesive bed is completely dry. On dense surfaces, long drying times must be considered.
- ▶ In areas exposed to water-spray, coastal areas, and permanently wet areas, those heavily exposed to chemical attack and outdoor areas, use UZIN products in accordance with the current Product Guide.

Protection of the workplace and the environment:

Solvent-free. Non-flammable. Requires no special protection or precautions in general use. Use of barrier cream and ventilation of the work area are recommended. Very low emission. Within the scope of current knowledge, gives off no emissions of formaldehyde, hazardous materials, or volatile organic compounds (VOC). When fully dried, has a neutral odor and presents no physiological or ecological risk. **Information for persons with allergies is available at +30 210 7793777 (Greece).**

Disposal:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers, or ground. Empty, scraped and drip-free plastic containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste.