

CK6 Ultra

Ready-for-use improved elastic adhesive in paste for the indoor installation of ceramic tiles.



Fields of application:

• to apply on non-deformable absorbing substrates floor and wall tiles in porcelain stoneware, single and double fired material, glass mosaic, ceramic mosaic, stable natural stones indoors; on chipboard, marine-type plywood and derivatives stable to water, cured concrete, cured cement-based screeds, on screeds made with **Basecem** or **Basecem Pronto**; on self-levelling products such as **Planirapid Autolivellante** or **Planirapid Aucoolivellante Maxi**; on smoothing plaster such as **Rasoplan Tixo**, on radiating floors. For wall tiling on traditional renders, pre-mixed renders, on anhydrite screeds, plasterboard and gypsum without any need for a passivating primer;

- particularly indicated for wood or masonry kitchens bathrooms, showers;
- to spot-bond insulating materials such as foam polyurethane and polystyrene, rock or glass wool on walls or ceilings;
- one of the surfaces - tile or substrate - MUST be absorbing, dimensionally stable, indoors;
- professional use only.

Characteristics:

CK6 Ultra is a one-component ready-for-use deformable adhesive, rapid setting, classified D2TE according to the norm EN 12004. The formula of **CK6 Ultra**, made up of selected aggregates, acrylic binders in dispersion and thixotropizing polymers, gives the adhesive an open time of 30 minutes, making it ready for walk over after 24 hours and ready for use in 14 days, guaranteeing easy and safe installation of floor and wall tiling. Indicated for indoor and outdoor civil, commercial and industrial applications.

Application:

CK6 Ultra must be mixed briefly with a low speed stirrer, till re-absorbing the possible water on the surface to get a smooth mixture free of lumps. Check that the substrate complies with norm EN 11493 point 7.3 as for the requirements of curing, integrity, surface sturdiness, dimensional regularity, residual humidity and rising damp. In substrates with minor crumbling pre-treat with **Primer GS**. Follow the norm EN 11493 point 7.9/7.11 for applications in sizes with side ≥ 60 cm. Apply a layer of adhesive also on the tile back side (backbuttering) in case of strong stresses or when required by the ceramic manufacturer. Create expansion joints every 25 m² indoors and every 4 m in sidewalks and skirting boards. We recommend you proceed with the glue spreading by working in small enough areas to be able to lay the tiles before the end of the open time. If you are unable to do so, re-spread the adhesive on which the surface film has already formed. Check, from time to time, that the contact between the adhesive and the tile is even and covers the entire back of the tile. The materials applied with CK6 Ultra must be protected from being washed off during the first 10 days.

Preparation:

the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Quality and Environmental Standards:

CK6 Ultra undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2015.

CE	
Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy	
DOP-IT-01-033 CK 6 ULTRA EN 12004:2007+A1:2012 Improved dispersion adhesive for ceramic tiles.	
Fire reaction:	Class B fl-s1.
Adhesion strength:	
- Initial cutting adhesion	≥ 1.0 N/mm ²
Durability:	
- Cutting adhesion after thermal ageing	≥ 1.0 N/mm ²
- Cutting adhesion at high temperatures	≥ 1.0 N/mm ²
- Cutting adhesion after immersion in water	≥ 0.5 N/mm ²
Release of harmful substances:	See Safety data sheet.

Characteristics	Application methods	Consumption
One-component Ready-for-use Open time: 40 minutes Adjustment time: 60 minutes Waiting time for wall joint grouting: 24 hours Waiting time for floor joint grouting: 24 hours Walk over time: 24 hours Ready for use: 14 days	Smooth or toothed trowel	1.5-2.5 kg/m ²
		Storage
		Shelf life of 24 months in the original packages at temperatures above +5°C. Do not expose to direct sunlight

Code	Product	Form and Color	Packages	Pallet
150040	CK6 Ultra	White paste	5 kg bucket	320 kg
150035	CK6 Ultra	White paste	15 kg bucket	720 kg
150030	CK6 Ultra	White paste	25 kg bucket	675 kg

Warning:

- do not use for laying tiles outdoors;
- do not use for laying in areas subject to water immersion;
- do not use for laying non-absorbent materials on non-absorbent bases;
- do not use on bases subject to rising damp;
- do not use for laying natural or artificial stone tiles which are damp sensitive;
- do not apply in temperatures below +5°C.


Technical and application specification

Hazard classification as per Directive 99/45/CE:	none
Specific weight:	1.50 g/cm³
Mixture pH:	8
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 40 minutes
Adjustment time:	approx. 60 minutes
Curing time before grouting on walls/on floors:	approx. 24 hours
Waiting time to seal floor joints:	approx. 24 hours
Walk-over time:	approx. 24 hours
Ready for use:	Approx. 14 days

FINAL PERFORMANCES SPECIFICATIONS EN 1324 (N/mm²)

Shear adhesion strength after heat ageing:	4.00 N/mm²
Initial shear adhesion strength:	2.50 N/mm²
Adhesion strength after 30 minutes (EN 1346):	1.6 N/mm²
Acid resistance:	poor
Resistance to solvents, oil, alkalis and ageing:	slight
Harmonised customs code:	35069100

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.