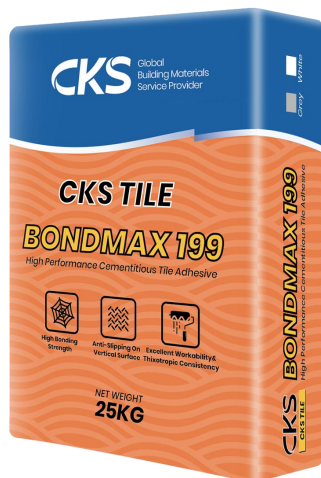


CKS TILE BONDMAX 199

High Performance Cementitious Tile Adhesive



Product Description

CKS TILE BONDMAX 199 is a high performance cement based tile adhesive for ceramic and clay tile.

Product Features

- Safe for Large Tiles
- High Bonding Strength
- Anti-Slipping on Vertical Surface
- Excellent Workability & Thixotropic Consistency

Packaging

25kg/bag

Colour

Grey / White

Where to Use

Suitable for large tile and low porous tiles such as porcelains, granites, marbles, including natural stones (Please contact our technical team before applying tile larger than 60 x 60 cm. on wall)

Recommend Usage

This depends on the level, profile and surface roughness of the substrate, the size of the tiles and the technique of placing (simple placing or "back"-buttering).

As a guide, in kilogram of powder per m² on flat surfaces:

Tiles size	Coverage	Trowel size
Mosaics and small tiles	~2.0–3.0 kg/m ²	3 mm × 3 mm notched trowel
Normal size tiles (30cm x 30cm)	~5.0–5.5 kg/m ²	6 mm × 6 mm notched trowel
Large size tiles up to 3600 cm ² (internal floors)	~10.0–11.0 kg/m ²	12 mm × 12 mm notched trowel

*Note: This data is based on measurements under standard laboratory conditions and is for reference only. Actual consumption may vary depending on the on-site substrate conditions.

Safety Instructions

- This product is alkaline and may cause skin irritation. During application, avoid inhalation of dust and contact with skin and eyes. Wear appropriate protective clothing, gloves, and other necessary personal protective equipment.
- In case of skin contact, wash immediately with plenty of clean water. If the product gets into the eyes, rinse immediately with plenty of water and seek medical attention without delay.

Application Instructions

- **Substrate Preparation:** The substrate must be sound, clean, and free of oil, grease, wax, curing compounds, and other loose matter. New cement mortar renders must be cured for at least 7 days before tiling. New concrete surfaces must be cured for at least 28 days before tiling.
- **Mixing :** Pour the required amount of clean water into a clean container. Gradually add the tile adhesive powder in the correct mixing ratio while stirring continuously with an electric mixer. Mix until a smooth, lump-free paste is obtained. Allow the mixture to stand for 3–5 minutes, then stir again for 15–30 seconds before use. The mixed adhesive must be used within 2 hours. Do not add water or fresh powder to re-temper the mixed adhesive once it has begun to set. For the correct mixing ratio, refer to the certificate of conformity label.
- **Application:**
 - ① Using a notched trowel, apply a thin, forced coat of tile adhesive onto the wall or floor substrate to ensure good contact. Then, apply a further layer of adhesive, spread it evenly, and comb it out with the notched trowel in straight ribs. The area covered at one time should not exceed approximately 1 m². Apply a thin layer (1–5 mm) of adhesive to the back of the tile, then press and embed the tile firmly into the combed adhesive bed. Insert tile spacers (cross spacers) and proceed with the next tile.
 - ② In the case of very dry substrates or when ambient temperatures exceed 30° C, lightly dampen the substrate (with no standing water) and fix the tiles as quickly as possible. Before placing the tile, always check that the combed adhesive on the substrate is still wet and has not formed a skin. If a skin has formed, scrape off the adhesive and re-apply fresh material.
- **Curing:** Do not disturb the newly fixed tiles. Do not walk on the tiled surface or commence grouting until the tile adhesive has fully set and hardened.

Technical Data Based For Reference

Implemented Standard: EN 12004–2:2017, 8.3

Item		Index
Tensile Adhesion Strength	Initial	≥ 0.5 MPa
	Water Immersion	≥ 0.5 MPa
	Heat aging	≥ 0.5 MPa
	Open time after 30 minutes	≥ 0.5 MPa
Slip resistance	< 0.5mm	

Precautions

- Before application, ensure the substrate is clean, sound, even, and free of oil, grease, and other contaminants.
- Once the tile adhesive is spread onto the substrate, tiles must be fixed before the adhesive forms a skin. The adhesive is still workable if it feels tacky to the touch.
- After fixing, if tiles need to be repositioned, adjustments must be made within the open time to avoid affecting the bond strength.
- Excess adhesive on the surface must be removed before it hardens.
- Regularly check the back of the tiles to ensure full adhesive coverage with no hollow spots. If hollow spots are found, reapply adhesive immediately.
- This product is suitable for use at ambient temperatures between 5° C and 35° C, with a relative humidity of 30%–85%. Stop application in strong winds of level 5 (Beaufort scale) or above. Do not add water to re-temper adhesive that has already set and hardened.
- This product is scientifically formulated with precise ratios. Simply add water as specified. Do not mix with any other materials.

Transportation And Storage

- During transport and storage, different types of products must be stacked separately and not mixed. Protect from direct sunlight, rain, and physical impact. Ensure adequate ventilation. Store at temperatures between 5° C and 40° C. When relative humidity exceeds 85%, appropriate moisture-proof measures must be taken.
- When the product remains unopened and stored under the specified conditions, the shelf life is as indicated on the certificate of conformity.