



TECHNICAL DATA SHEET

ECOFLEX 1313

ECO FLEX-1313 C2TE



DESCRIPTION

ECOFLEX-1313 C2TE is a high-performance, cement-based tile adhesive reinforced with top-grade acrylic polymers. It provides excellent adhesion, zero slip (T), and an extended open time (E). With a smooth consistency and superior work ability, it is designed to perform under extreme temperature variations and high mechanical stress, making it ideal for indoor and outdoor applications. Classified as C2TE according to EN 12004.

FIELDS OF APPLICATION

Recommended for bonding:

- Ceramic tiles, granite tiles, natural stones, and marbles
- Absorbent and non-absorbent surfaces
- Interior and exterior walls and floors
- Application thickness: up to 10 mm

USAGE PLACE

- Adhering materials such as tiles, ceramics, porcelain ceramics, natural stone to cement-based surfaces such as concrete, plaster, screed in indoor and outdoor horizontal and vertical applications,
- Adhering materials such as tiles, ceramics, porcelain ceramics, natural stone to gypsum-based surfaces in indoor, horizontal and vertical applications,

- Can be applied in indoor tile size (2X4 ft, 32X64 inch, 4X4 ft, 8X4 ft) on wall and floor
- Adhering materials such as tiles, ceramics, porcelain ceramics, natural stone on insulation in wet places such as bathrooms, balconies, kitchens,
- It is used for bonding ceramics on ceramics in exterior coatings of buildings, renovation and repair works.

TECHNICAL DATA

Structure of Material	
Density	1,80 kg/lt
Color	Grey, White
Initial Tensile Adhesion Strength	1,1 N/mm ²
Tensile Adhesion Strength After Immersion in Water	1,2 N/mm ²
Tensile Adhesion Strength After Heat Aging	1,02 N/mm ²
Tensile Adhesion Strength After Freezing-Thawing Cycle	1,1 N/mm ²
Joint Application	24 hours
Application Thickness	3-8 mm
Application Surface Temperature	+5°C / +35°C
Service Temperature	-20°C / +80°C
Ripening Time	3-5 min.
Usage Time	2 hours
Open Waiting Time	30 min.
Slip (mm)	None
Joint Application	24 hours later
Walkable Time	24 hours later
Reaction Class to the Fire	A1

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures increase the time.

Mixing Instructions:

- Mix 25 kg of ECOFLEX-1313 with 6.7 liters of clean water (±0.25 L)
- Stir with a low-speed mechanical mixer until a smooth, lump-free paste is formed
- Let the mixture rest for 5–7 minutes, then remix without adding water

Pot Life: 3–4 hours (depending on temperature) Mix periodically—do not add water after initial mixing.

Application Method:

- Apply adhesive evenly using a suitable notched trowel
- Press tiles firmly into place within 30 minutes of adhesive application
- Ensure full coverage for best adhesion

TECHNICAL DATA SHEET (TDS)



WARNING

Contains cement; may cause irritation to eyes, skin, and respiratory system. Refer to the safety data sheet before use.

STORAGE

Store in a cool, dry area. Do not stack more than 10 bags on top of each other.

PACKAGING: 20 kg | 40 Kg (Grey & White)

TECHNICAL SUPPORT

Manufactured By Industrial 9-Warehouse, Behind Shirawi Enterprise, Ras Al Khor Industrial Area 2, Dubai, UAE

India Facility: 1025/1/A, Babla Compound, Gaibi Nagar, Kalyan Road, Bhiwandi, Maharashtra – 421302

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