

Technical Data Sheet - TDS



CHEMCON

CHEMFIX LFT

High Performance Flexible Mortar
for Large Format Tiles

PRODUCT DESCRIPTION

CHEMFIX LFT is a cement based tile adhesive composed of cement, sands of selected aggregates and special additives according to a formula developed in **CHEMCON R&D**.

APPLICATION AND USAGE

CHEMFIX LFT can be used for laying large format extremely vertified tiles, and for laying tiles on heated floors, terraces, balconies, cement and stone tiles.

CHEMFIX LFT is suitable for gypsum, an hydrate substrates, and heavy traffic areas.

Due to very high slip resistance it can be used for levying large and heavy tiles on vertical surfaces.

CHEMFIX LFT should not be used such as: on concrete subject to high shrinkage, on walls and floors subject to strong movement or vibration (wood, fibre-cement, etc.) on metal surfaces. Do not use for moisture-sensitive stone (green marble, some limestone and some granite. Large-and-heavy-tile mortars are not designed to correct uneven floors.

Note: Substrates must be flat and level before the installation of large-format tile.

ADVANTAGES

- ▶ Easy workability
- ▶ No slump for large-format and heavy tile
- ▶ For thicker bond coats from 2.5 to 12 mm
- ▶ Excellent adhesion to many substrates.
- ▶ For installation of interior/exterior residential/commercial floors, walls and ceilings.
- ▶ A smooth and creamy consistency for easy application. Spot bonding of insulating materials such as expanded polystyrene, expanded polyurethane, rock and glass wool

DIRECTIONS FOR USE

Surface Preparation: Surfaces to receive tiles should be load bearing, dry, clean, sound, stable and free from laitance, paint, oil, grease, mould release agents and residual curing compounds. Highly absorbent and porous surfaces should be thoroughly wetted down with clean water or sealed with a primer coat of **Roc-Bond AR** prior to application of tiles. Concrete should be at least 3 months old, unhydrated, substrates must be primed with **RocBond AR**

CHEMCON INTERNATIONAL LLC

P: 12360, Thoban - Fujairah, United Arab Emirates T: +971 6 882 0024

E: info@chemconinternational.com W: www.chemconinternational.com

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Mixing: Add the required amount of cool, clean water to a forced action mixer and slowly introduce the **CHEMFIX LFT**. Mix thoroughly to a thick and creamy consistency and leave for 4-5 minutes. Part bags may be mixed using a slow speed drill and paddle mixer by adding **CHEMFIX LFT** to clean water 6.5 liters of water for 20 kg of **CHEMFIX LFT** for vertical surfaces and 8.5 litres of water for 20 kg of **CHEMFIX LFT** for Horizontal surfaces .

Application: Apply CHEMFIX LFT with a notched trowel on to the surface with a suitable toothing. For exterior installation a thin layer of the mortar shall be spread on to the tile's backside. Then this tiles should be laid in during the open time of the adhesive mortar. Grouting can be star after 24 hours.

The typical properties given was with an ambient and material temperature of 24 +/- 1°C and relative air humidity of 50%.

Please note that properties will vary subject to local conditions

Coverage:

Amount required: Tile size up to 30CM X 30CM (notch size 8mm to 12mm) 2.7 - 3.5kg,

Large Format tiles - Medium Bed 6Kg (Semi circular notches)

Coverage will vary according to the surface conditions.

Spacing: Ceramic tiles should not be butt jointed; leave a gap of 2mm around each tile. To ensure even spacing, tile spacing string or spacers of the required thickness are recommended.

Grouting: Wall joints between the ceramic tiles can be grouted after 4-8 hours and floor joints can be grouted after 24 hours

TRAFFIC PROTECTION: Protect floors from foot traffic for at least 72 hours after installation. Ready to use: Surfaces are ready for normal use after approx. 15 days.

TYPICAL PROPERTIES

Color	Grey and White.
Mix Ratio	6.5-8.5 liter of water for 20 kg
Pot Life	> 3 hours
Open time	> 20mts
Application temp:	+5 to 40 °C
Adjustability time	Approx. 45 mts
Compliance with: Adhesion according to ISO 13007-1 (N/mm ²) American ANSI, A 118.1, A 118.4	
ANSI A118.4 - shear strength, porcelain	> .38MPa at 28 day
ANSI A118.4 - shear strength, glazed wall tile	> 2.07 MPa at 28 day
ANSI A118.4 - shear strength, quarry tile to quarry tile	> 1.03 MPa at 28 day
Shelf life @23°C	12 months
VOC:	0.0g/l

PACKING & STORAGE

CHEMFIX LFT is supplied in white and Grey 20/ 25 kg bags. Store unopened bags in clean, cool, and dry areas. Protected from direct sunlight. Store as for cement. Original unopened bags may be stored for up to 12 months

HEALTH & SAFETY

CHEMFIX CLFFT contains no hazardous substances however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes wash thoroughly and immediately with warm water. If swallowed seek medical attention.

OTHER BONDING AGENTS AND TILING PRODUCTS AVAILABLE FROM CIL.

CIL WALL TILE ADHESIVE - Acrylic modified ready mixed wall tile adhesive paste

CIL Tile Grout - water resistant, polymer modified cement based grout.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

Disclaimer

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