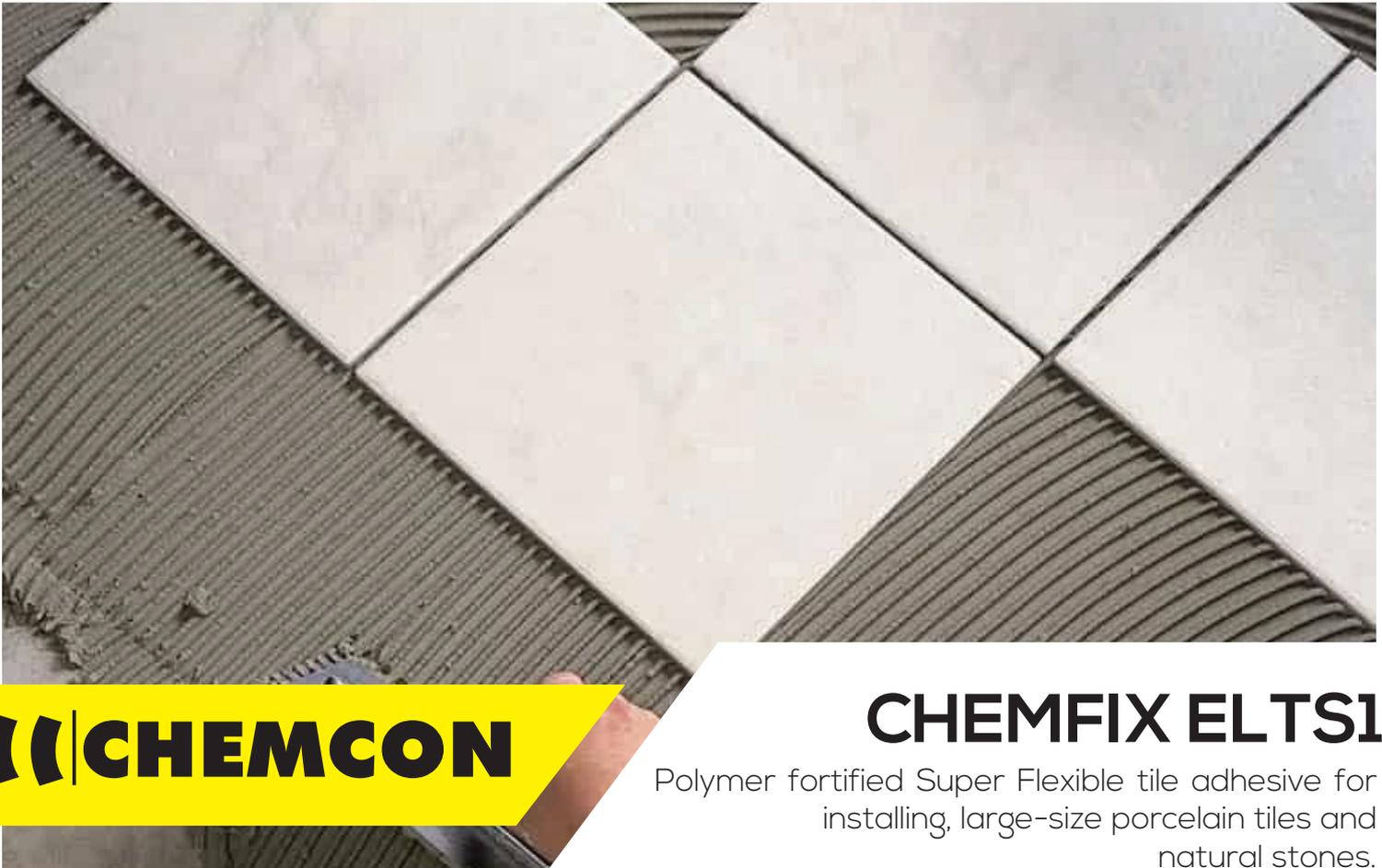


Technical Data Sheet - TDS



CHEMCON

CHEMFIX ELTS1

Polymer fortified Super Flexible tile adhesive for installing, large-size porcelain tiles and natural stones.

PRODUCT DESCRIPTION

CHEMFIX ELTS1 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**. **CHEMFIX ELTS1** is cementations adhesive Improved (2) cementations (C) no vertical slip (T) extended open time (E) and deformable (S1) of class **C2TES1** of adhesive.

APPLICATION AND USAGE

Bonding of all types and size of ceramic tiles in Internal and external (single and double fired tiles, porcelain tiles, clinker, terracotta, etc) Interior and exterior bonding of stone and agglomerate materials. Spot bonding of insulating material in interior such as expanded polystyrene, rock and glass wool, (wood-cement panels), sound-deadening panels.

CHEMFIX ELTS1 should not be used such as on conglomerates, rubber, PVC and linoleum surfaces. and natural stone subject to eorescence and on pre-cast concrete subject to excessive movement.

ADVANTAGES

- ▶ Easy workability
- ▶ Excellent adhesion to many substrates.
- ▶ For installation of large format tiles and stones
- ▶ Spot bonding of insulating materials such as expanded polystyrene, expanded polyurethane, rock and glass wool
- ▶ Installation of Floors subjected to heavy traffic
- ▶ High Bond Strength
- ▶ For Installation of critical surfaces like balconies and terraces, for wet area's and swimming pools

DIRECTIONS FOR USE

Surface Preparation: Surfaces to receive tiles should be 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 RocBond AR prior to application of tiles. Ensure that tiles are dry and free from contaminants. Aerated concrete (free from dust) and primed with RocBond AR. Substrates must not be wet. Any existing dirt, loose layers and paint coating with low strength shall be mechanically removed.

Mixing: Add the amount of cool, clean water to a forced action mixer and slowly introduce the **CHEMFIX**

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CHEMFIX ELTS1. Mix thoroughly to a thick and creamy consistency and let stand for 4-5 minutes. Part bags may be mixed using a slow speed drill and paddle mixer by adding **CHEMFIX ELTS1** to clean water 5.0 - 5.7 liters of water for 20 kg of **CHEMFIX ELTS1**. Hand mixing is only acceptable for very small quantities and is not recommended.

Application: Apply **CHEMFIX ELTS1** is applied with a notched trowel onto the surface of 1m²@ a thickness of 3-6mm. Press tiles into place with a slight twisting motion ensuring the tile back achieves full contact with the adhesive. To obtain good adhesion to the substrate the following system is recommended: first apply a thin coat of **CHEMFIX ELTS1** using the smooth side of the trowel and immediately afterwards apply the desired thickness of **CHEMFIX ELTS1** using the toothed side of the trowel.

For other vertical applications, use a 6mm notched trowel to horizontally comb the adhesive bed to remove excess. Choose a trowel that will give a coverage to the back of the tiles of approximately 70% for walls or for internal light foot traffic. For external application, the coverage must be 90-100%.

Coverage: Amount required: Tile size up to 10CMX10CM (notch size 4mmx4mm) 1.6-1.8kg, Amount required: Tile size up to 15CMX15CM (notch size 6mmx6mm) 2.0-2.4kg, Amount required: Tile size up to 30CMX30CM (notch size 10mmx10mm) 3.2-3.8kg, Amount required: Tile size Above 30CMX30CM (notch size 12mmx12mm) 4.1kg. 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	5.0-5.7 ltr of water for 20 kg
Pot Life	8 hours
Mix Density	1500±100 kg/m ³
Open time	> 30mts
Application temp:	+5 to 45 °C
Adjustability time	Approx. 60 mts
Compliance with: Adhesion according to ISO 13007-1 (N/mm ²) American ANSI, A 118.1, A 118.4 Adhesion according to EN 12004	
initial adhesion (after 28 days)	> 2.2
Adhesion after heating	> 2.0
adhesion after water immersion	> 1.0
Adhesion after freeze-thaw cycles	> 1.2
Deformable, (2.5 mm)	S1
VOC:	0.0g/l
Slip, (mm)	≤0.5 ,EN 12004

PACKING & STORAGE

CHEMFIX ELTS1 is supplied in 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 ELTS1 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

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer? Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and GET makes no claim that these tests or any other tests, accurately represent all environments.