

TRIPLE F GEL

FABULOUS,
FUNCTIONAL, FIXCER

**For WATERPROOFING, TILING and GROUTING.
The definitive product: the easiest, waste-free,
straightforward, with GEL texture and there's no need
to overstock. THREE-IN-ONE PRODUCT.**



WARNING

TRIPLE F GEL must not be used:

- ◆ On substrates made of metal, plastic, PVC, rubber, unseasoned (green) wood, etc. (use **ELASTICER**).
- ◆ To attach tiles with a high coefficient of thermal expansion, such as Silestone (consult Engineering Dept.)
- ◆ Outside of the permitted temperature range.
- ◆ To lay or hang ceramic tiles over other waterproofing products without first consulting the Engineering Dept.
- ◆ If the original formula has been adulterated in any way.
- ◆ On outdoor surfaces during periods of heat without double bonding.

FIELDS OF APPLICATION

- ◆ **TRIPLE F GEL** is specifically formulated to COMPLY FULLY WITH STANDARDS EN-14.891, EN 1504-2, EN-12.004 and EN-13.888, allowing its use, respectively, as:
 - waterproofing agent
 - adhesive cement
 - grout waterproof
- ◆ The ideal THREE-IN-ONE product for **waterproofing, tiling and grouting** preventing losses, waste, dosage errors, mistakes, reduced productivity, etc.
- ◆ Ideal for waterproofing, attaching and grouting ceramic and glass mosaic tiles in swimming pools with traditional chlorination, bathrooms, changing rooms, saunas, kitchens, etc.
- ◆ Ideal for **waterproofing** and **attaching** ceramic, natural stone and mosaic tiles, among others, in bathrooms, changing rooms, on pool surrounds, terraces, balconies, in hotels, etc.
- ◆ Its extreme flexibility allows it to be used in places subject to vibrations, such as supermarkets, factories, airports, high-traffic areas, schools and hospitals.

- ◆ Because of its TRIPLE function and its qualities of waterproofing-adhesion-flexibility, it is ideal for substrates made of plaster, gypsum, plasterboard, mortar, concrete, precast concrete panels, fibre cement,... underfloor heating systems,... overtiling,... mortar substrates, etc.

TECHNICAL SPECIFICATIONS

TRIPLE F GEL is a NEW CONCEPT in building. Its technical properties set it apart as the simplest and most complete solution for waterproofing, attaching ceramic tiles and grouting.

Other **TRIPLE F GEL** features:

- GEL** texture; it is cream-like, smooth and easy-to-apply product
- the white colour is a bright white colour
- adjustable amount of water for mixing depending on the desired application
- high thixotropy; it will not come unstuck
- extended open time**
- longer time for tile adjustment
- maximum adhesion to difficult substrates

DIRECTIONS FOR USE

◆ Substrate preparation:

All substrates must be strong, solid; free of dust, paint, wax, oils and grease; and they must not be subject to hydraulic shrinkage.

Plaster, plasterboard or derivative substrates must have a moisture content less than 0.5% and must be free of dust and signs of efflorescence.

◆ Preparing the mixture:

mix each 25-kg bag with 7.5 litres of clean water until smooth; use an electric mixer on a low rpm setting to prevent lump formation.

◆ Applying the mixture:

As a waterproofing agent: preferably use a flat metal trowel, short-pile roller or a paintbrush. Apply a first uniform coat; leave to dry for 4 hours (at 23°C and 50%RH); apply a second coat perpendicular to the first and leave to dry for 4-24 hours, depending on the ambient temperature.



As an adhesive cement: preferably use a square-notched trowel, with the notch size proportionate to the size of the tile. Attach the tile by pressing sufficiently in order to ensure 80% minimum contact with the adhesive. For outdoor applications, use the double-bonding method. For attaching tiles larger than 30x30cm, or weighing more than 40 kg/m², also use a corresponding metal fastener. Ensure that no surface layer is formed by checking with your fingertips. In case one forms, trowel again (never remoisten with water). Use a rubber mallet to set the tiles into the adhesive. Protect recently tiled floors or paving from excessive heat, frost, rain, etc. for at least 24 hours after laying.

As grout: completely fill all the joints using a **FIX-ESPÁTULA** trowel, applying sufficient pressure to fill any spaces and gradually remove the excess grout with the same trowel. Wait 30-45 minutes after applying the grout to clean the surface of the joints and tiles using a lightly moistened sponge.

◆ **Sealing movement joints:**

For movement joints, apply **SELLALASTIC** or **SILICONA NEUTRA**.



TRIPLE F GEL: three-in-one product.

APPLICATION DOSAGE:

For waterproofing:	approx. 2.5 kg/m ²
For attaching ceramic tiles:	approx. 3.5-5 kg/m ²
For attaching glass mosaic tiles:	approx. 2.0 kg/m ²
For grouting glass mosaic tiles:	approx. 1.5 kg/m ²

TECHNICAL INFORMATION

PRODUCT DENSITY IN POWDER FORM:	1.07 g/cm ³
APPLICATION TEMPERATURE:	+5°C - +35°C
STORAGE:	12 months in protected and covered place.
FORMAT:	White and Grey colour 25-kg bags

TECHNICAL SPECIFICATIONS

DIRECTIVES: EN-14.891; polymer-modified cement mortar (CMP); waterproof cement membrane formulated with polymers. Resistant to freezing/thawing cycles and to contact with chlorinated water and limewater.

• Proportion of mix:	8.5 litres / 25-kg bag
• Initial adhesion:	≥ 0.5 N/mm ²
• Adhesion after immersion in water:	≥ 0.5 N/mm ²
• Adhesion after ageing with heat:	≥ 0.5 N/mm ²
• Waterproofing:	no penetration (1,5bar constant pressure/7 days)
• Resistance to cracking:	≥ 0.75 mm
• Adhesion after freezing/thawing cycles:	≥ 0.5 N/mm ²
• Adhesion after immersion in chlorinated water:	≥ 0.5 N/mm ²

DIRECTIVES: EN-1504-2(C) - MC-IR waterproof membrane for the surface protection of concrete

• Capillary absorption and waterproofing:	$\mu < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
• Water vapour permeability:	Class I
• Adhesion strength pull-off test:	Flexible system
• No traffic loads:	> 0.8 N/mm ²
• Release of dangerous substances:	Complies with 5.3

DIRECTIVES: EN-12004 - C2 TE S1; improved normal setting deformable adhesive cement with extended open time and reduced slip. High flexibility.

• Proportion of mix:	6.6-7.1 litres / 25-kg bag
• Open time, adjusting time and pot life:	30 min ; 40 min; 1 hour
• Slip and max. layer thickness:	< 0.5 mm; < 10 mm
• Grout after 24 hours and set after:	48 hours
• Initial adhesion:	≥ 1.0 N/mm ²
• Adhesion after immersion in water:	≥ 1.0 N/mm ²
• Adhesion after ageing with heat:	≥ 1.0 N/mm ²
• Adhesion after freezing/thawing cycles:	≥ 1.0 N/mm ²
• Open time: adhesion (30 min):	≥ 0.5 N/mm ²
• Transverse deformation:	≥ 2.5 mm

DIRECTIVES: EN-13.888 - CG2 W A; enhanced cement-based grouting (fulfilling additional properties): reduced water absorption property and highly abrasion-resistant.

• Proportion of mix:	6.6-7.1 litres / 25-kg bag
• Resistance to acids/alkali:	poor
• Resistance to abrasion:	< 1000 mm ³
• Bending strength-dry storage:	≥ 2.5 N/mm ²
• Bending strength-freezing/thawing cycles:	≥ 2.5 N/mm ²
• Compressive strength-dry storage:	≥ 15 N/mm ²
• Compressive strength-freezing/thawing cycles:	≥ 15 N/mm ²
• Shrinkage:	≤ 3 mm/m
• Water absorption after 30 min:	≤ 2 g
• Water absorption after 240 min:	≤ 5 g