

TECNOFLEX

Flexible glue cement WITH EXTRAORDINARY ADHESION. Ideal for exteriors, façades and on supports of deformable media.



WARNING

TECNOFLEX should not be used:

- ◆ Without respecting all the technical indications for its application.
- ◆ For supports subject to extreme vibrations. Use **ELASTICER**.
- ◆ For very THICK pieces on façades. Consult the regulations.
- ◆ On damp supports. It can be used on damp supports.
- ◆ Outside the permitted temperature range.
- ◆ For great thicknesses of cement (use **TECNOFLEX THICK LAYER**)

FIELDS OF APPLICATION:

- ◆ Applicable indoors and in exteriors, both on vertical as well as horizontal surfaces.
- ◆ Thanks to its great flexibility, it is the ideal product for installing ceramics in:
 - **radiant floor systems**
 - directly on **concrete**
 - on balconies, **façades**, terraces, etc. even for large formats (maximum weight 30 kg./m²)
- ◆ Thanks to its excellent adhesion, it is ideal for:
 - sticking **industrial slabs** in areas subject to heavy loads and/or wheeled traffic: shopping centres, airports, hospitals, industry, etc.
 - **Superimposition** of tiles, stoneware and porcelain stoneware.
- ◆ Installation of polystyrene insulating boards, mineral wool, soundproofing panels, etc.
- ◆ **TECNOFLEX** is a fine layer cement applicable in thickness of 3 to 10 mm. For greater thicknesses we have the version **TECNOFLEX THICK LAYER** with the same applications as before, but which enables a glue cement **of up to 25 mm**.

TECHNICAL SPECIFICATIONS:

TECNOFLEX and **TECNOFLEX THICK LAYER** are the result of a careful mixture of cements, silica aggregates, specific additives and a high percentage of resins.

They are very easy and pleasant to use, thanks to their special viscosity and thixotropy. They do not drop, are very flexible and develop an extraordinary adhesion.

APPLICATION:

◆ Support:

All the supports must always be resistant, solid, free of dust, paint, wax, oil and grease and be perfectly set.

Very absorbent supports or those exposed to the sun in warm periods, should be previously damped to prevent the fast loss of the mixing water.

◆ Preparation of the mixture:

Mix the glue cement with clean water as per the table enclosed until it is evenly mixed; use an electric mixer at low revolutions to prevent lumps from forming.

◆ Application of the mixture:

- Preferably use a toothed trowel, with suitably sized teeth for the piece to be applied.
- You need not damp the pieces before installing them.
- For difficult applications, exteriors or for pieces larger than 60 x 40 cm, or more than 40 kg/m², use the double gluing technique and similar metal



anchorage. For pieces with dovetails it is also essential.

- Make sure at all times that a surface layer does not form, using the tips of your fingers. If it does form, re-comb the cement with the toothed trowel (never add more water).
- Always press on the floor tiles to ensure correct adhesion. Tap all the pieces with a rubber mallet.
- Protect the recently laid floor from excessive heat, frost, rain, etc. for at least 24 hours after its installation.
- The application of expanded polystyrene insulating panels can be done by applying points of cement on the back of the panel. It is essential to present the panel evenly.

◆ Sealing joints:

We recommend using a specific material such as **FIXCOLOR** (fine or thick grain) or **EUROCOLOR FLEX** or **EUROCOLOR FLEX PLUS** or **JUNTATEC** or **CERPOXI**. In the expansion joints, apply a specific, elastic material, such as **SELLALASTIC**.



CONSUMPTION:		
	TECNOFLEX	TECNOFLEX THICK LAYER
For grouting:	from 2 to 5.5 kg./m ²	1.6 Kg. /m ² per mm of thickness
Adhesion at points on insulating panels:	from 0.5 to 0.8 kg./m ²	from 0.5 to 0.8 kg./m ²

TECHNICAL DATA		
DIRECTIVES	TECNOFLEX EN 12.004 and EN 12.002	TECNOFLEX THICK LAYER EN 12.004 and EN 12.002
PRODUCT		
• Type:	C2 TE S1 Cementitious adhesive enhanced with additional characteristics, reduced slip and a greater pot life.	C2 T S1 Enhanced normal setting cementitious adhesive with additional characteristics and reduced slip.
• Density:	1.6 g/cm ³	1.7 g/cm ³
• Toxicity:	Irritant, avoid contact with skin and eyes	Irritant, avoid contact with skin and eyes
APPLICATION		
• Mixing water:	grey: 5.2 litres per 25-kg sack. white: 5.5 litres per 25-kg sack.	grey: 5.0 litres per 25-kg sack. white: 5.0 litres per 25-kg sack.
• Density of the mixture:	1.5 g/cm ³	1.6 g/cm ³
• Temperature of application:	+ 5°C to + 35°C	+ 5°C to + 35°C
• Pot life:	30 min.	20 min.
• Waiting time:	45 min.	30 min.
• Useful life:	2 hours	1 hour
• Slip:	- 0,5 mm.	- 0,5 mm.
• Thickness of layer:	- 10 mm.	- 25 mm.
• Grouting after:	24 hours	24 hours
• Can be walked on after:	48 hours	48 hours
PERFORMANCE PROPERTIES		
• Resistance to damp:	excellent	excellent
• Resistance to ageing:	excellent	excellent
• Resistance to solvents:	normal	normal
• Flexibility:	very good	very good
• Initial adhesion after 28 days:	³ 1.0 N/mm ²	³ 1.0 N/mm ²
• Adhesion after immersion in water:	³ 1.0 N/mm ²	³ 1.0 N/mm ²
• Adhesion after ageing through heat:	³ 1.0 N/mm ²	³ 1.0 N/mm ²
• Adhesion after freezing-thawing cycles:	³ 1.0 N/mm ²	³ 1.0 N/mm ²
• Pot life: adhesion (30 min):	³ 0.5 N/mm ²	-----
• Pot life: adhesion (20 min):	-----	³ 0.5 N/mm ²
• Deformability EN 12002:	³ 2.5 mm	³ 2.5 mm
STORING		
• In covered, dry, ventilated places, kept in its original container, carefully closed:	12 months	12 months
PRESENTATION		
• Supplied in:	25-kg sacks, in Grey and White	25-kg sacks, in Grey and White