

## Fast 360

**High performance cement adhesive, class C2TF according to UNI EN 12004, fast setting and curing, no vertical slip, specific for thin layer gluing of ceramic tiles and stone material.**

**Fast 360** is an high performance polymer-modified adhesive, based on hydraulic binders with high resistance, selected aggregates, additives of last generation, for both indoor and outdoor use, complies with the standard **EN UNI 12004**, cement adhesive (C) with improved characteristics (2), no vertical slip (T), fast setting and curing (F).

**Fast 360** is specific for gluing a thin layer of ceramic tiles and stone material even in large format. Formulated at the **R&D Licata SpA** laboratories, **Fast 360** is characterized by easy workability, high strength of adhesion and wetting. Thanks to the high stability fast hydraulic binders, **Fast 360** reaches high performance after a few hours.



### MAIN FIELDS OF USE

**Fast 360** has been formulated in order as to assure and guarantee, in very short times, the best performances even in the most extreme conditions. Ideal for renovation works. **Fast 360** is intended for thin layer laying outdoor and indoor, on the wall or on the floor, of:

- Mosaics,
- Marble or natural stone provided they are resistant to humidity, stains and efflorescence.
- Any type of ceramic (double-fired, single-fired, porcelain stoneware, clinker, terracotta, etc.), with low absorption, even in large formats,
- On traditional substrates with cement-based plaster,
- Heated floors
- Cement waterproofing (**licata.waterproofing range**)
- Standard cement-based screeds,
- Bonding of EPS, extruded and cork panels, etc.
- Laying on top of old existing floors (ceramic, porcelain stoneware, marble, etc.)
- Anhydrite screeds and gypsum plaster, primed beforehand with **Aggrappante LG**
- Swimming pools
- Fibre cement panels,
- Expanded cellular cement,
- Cold storage rooms.

To apply to different substrates, please contact our technical department.

### CHARACTERISTICS

- Fast setting and curing **F**. Thanks to the high stability fast hydraulic binders, **Fast 360** reaches high performance after a few hours.
- No vertical slip **T**. The high thixotropy also allows tiles to be laid vertically.
- High binding power **C2**. **Fast 360** is a polymer-modified mortar. The high binding values obtained after exposure to extreme conditions, such as freezing and thawing, immersion in water, thermal ageing etc. are proof of its reliability.
- In class **C2TF**. Certified according to **UNI EN 12004 standard**.

- High wetting power. The latest-generation additives in **Fast 360** make this adhesive highly wettable, so it is ideal for bonding ceramic tiles with low or no absorbency, as well as laying on top of existing floors.

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## APPLICATION METHOD

### Preparation of substrate

Mechanically remove any flaking or easily detached parts. Thoroughly clean the application area so that it is free of dust, residue from surface treatments, such as detergents, oily substances, mineral or organic grease, wax, traces of chalk or salt. Damp substrates can significantly slow down the setting of **Fast 360**, so gypsum plaster and anhydrite substrates or plasterboard must always be treated with the **Aggrappante LG primer**.

When laying on top of old existing floors, we recommend:

- Priming with **Aggrappante LG**, or alternatively, using mechanical abrasion or washing with caustic soda.
- Ensure that the existing floor is solid, clean, perfectly flat and anchored to the substrate.
- Spread the adhesive on the back of the tile as well (back-buttering method).

### Preparing the mixture

You need 5.5-6 litres of clean water (UNI EN 1008) for every 25-kg bag (or 22-24% density).

Pour the product into a clean container with  $\frac{3}{4}$  of the mixing water. Mix for about 3 minutes with a low-speed mixer, gradually adding the remaining water until you obtain a thixotropic, uniform, lump-free mixture. The use in combination with **Licalatex**, in a 1:1 ratio with the mixing water, in addition to enhancing the natural qualities of this adhesive (such as excellent flexibility, adhesion, resistance to abrasion) increases its water tightness and resistance to corrosive agents, therefore it is recommended for use in specific conditions (e.g. swimming pools, cold storage rooms, etc.). The use of latex can influence the setting and curing times of the adhesive. Do not divide the packages up into partial mixtures. If the product is stored in open, partially used sacks, it may not meet the technical characteristics outlined in this document.

### Application

To apply **Fast 360** it is recommended to choose a spatula that can allow a wetting of the tile by at least 65% for the indoor coating and 100% for outdoor floors, still keeping in mind that the maximum thickness of the adhesive must not exceed 5 mm. In the event of challenging applications, such as applications subject to frost (outdoors), in tanks or pools, laying of floors subject to heavy loads or honing, laying large format, thick tiles or anyway over 900 cm<sup>2</sup> (30 cm x 30 cm), according to UNI 11493, to ensure full covering, spread the adhesive on the back of the tile as well as on the substrate (back-buttering method). It is not necessary to wet the tiles before laying; if there is dust on the backs, the tiles should be washed by immersing them in clean water.

Normally, the tiles are laid by applying enough pressure to ensure contact with the adhesive. In normal temperature and humidity conditions, the open time of the mixture is about 10 minutes; unfavourable conditions or very absorbent substrates may drastically decrease this time.

Do not apply **Fast 360** on substrates that have a film of water on the surface, are completely dry or in extreme conditions, such as dry wind, high temperatures, walls exposed to full sun or frozen.

Constantly check that the adhesive has not skinned over. If necessary, freshen the adhesive by spreading it on the surface again. Do not remix the adhesive with water because the water would form an anti-adhesive film.

Make sure that the ambient temperature, that of the substrate and product during application is between +5 °C and +35 °C.



## PRODUCT INFORMATION

Appearance	Gray powder
Particle size	<0.5 mm
Powder consumption	From 2.5-5.5 kg/m <sup>2</sup>
Mixing water	22-24% of the weight of the powder
Workability time at 20 °C	≤ 10 minutes
Application thickness per coat	2-5 mm
Application temperature	From +5 °C to +35 °C
Foot traffic resistant	6/8 h
Usable	24/48 h
Storage	6 months in dry, protected place in unopened container at temperatures between +5 °C and +35 °C
Packaging	25 kg
Density	1250-1350 kg/dm <sup>3</sup>
pH of mixture	approx. 12

## PERFORMANCE

Characteristic	Test method	Legal requirement	Performance
Initial tensile adhesion strength	8.2 of EN 1348:2007	≥1 N/mm <sup>2</sup>	≥1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	8.3 of EN 1348:2007	≥1 N/mm <sup>2</sup>	≥1 N/mm <sup>2</sup>
Tensile adhesion strength after thermal ageing	8.4 of EN 1348:2007	≥1 N/mm <sup>2</sup>	≥1 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycles	8.5 of EN 1348:2007	≥1 N/mm <sup>2</sup>	≥1 N/mm <sup>2</sup>
Adhesion per traction at 6 h	1348:2007	≥0.5 N/mm <sup>2</sup>	≥0.5 N/mm <sup>2</sup>
Slip	EN 1308	<0.5 mm	<0.5 mm

## WARNINGS

- Product for professional use.
- Do not add water or more powder to the product once mixed.
- Alkaline material: protect eyes and skin during application.
- After use, wash tools with water while the mixture is still fresh.
- The ambient temperature and humidity rate influence the workability, setting and drying times.
- Take care of the product's curing period for at least 24 hours after applying, protect the fresh mortar from rapid drying, direct sunlight, strong wind and heavy rain.

## SAFETY

Please consult the safety data sheet for information about product disposal, storage and usage.

## NOTES

This data sheet replaces and voids all previous versions.

The indications and specifications given in this document are based on our current technical and scientific knowledge. They should, however, be considered as purely indicative because we have no control over the conditions in which the product will be used. The purchaser must, therefore, check that the product is suitable for his specific requirements. Our sales and technical network guarantees rapid consultancy services and is at your disposal for any clarifications and questions you may have about the use and application of **Licata SpA** products.

**Data sheet ref.: 58/19.3**