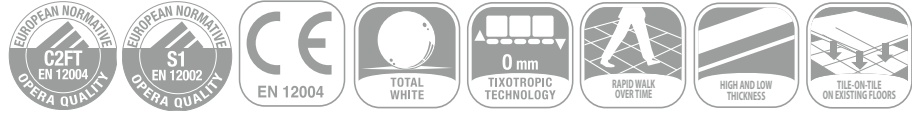




# RT Rapid Flex

**One-component, thixotropic cement-based adhesive with rapid setting and improved adhesion, for indoor/outdoor installation of every type of large sized tiles and stable natural stones, even for tile over tile application, and on heating screeds. Walk over time of a few hours.**



### Fields of application:

- to apply floor and wall tiles of any size in porcelain stoneware, low thickness stoneware, single and double fired material, glass mosaic, ceramic mosaic, solid natural or artificial stones indoors on cured cement-based screeds, on screeds made with Basecem or Basecem Pronto, on self-levelling products such as Planirapid Autolivellante or Planirapid Autolivellante Maxi, on smoothing plasters such as Rasoplan Tixo, on anhydrite screeds and on radiating floors. To apply wall tiles on traditional render, pre-mixed render, plasterboard, gypsum;
- to apply floor tiles of any size in porcelain stoneware, low thickness stoneware, single and double fired material, ceramic mosaic, stable natural stones outdoors on cured cement-based screeds, on screeds made with Basecem or Basecem Pronto;

### Characteristic:

**RT Rapid Flex** is a one-component cement-based adhesive classified C2FT according to norm EN 12004. The formula of **RT Rapid Flex**, made up of fine aggregates, 52.5 molten cement, fission-stable polymers with low environmental impact, setting-adjuster celluloses, gives the adhesive an open time of 20 minutes, making it ready for walk over after 2/3 hours and ready for use in 24 days, guaranteeing easy and safe installation of floor and wall tiling. Indicated for indoor and outdoor civil, commercial and industrial applications.

### Preparation:

the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive  
The non-absorbent substrates must be degreased beforehand with **Detergente Basico** or prepared by mechanical abrasion like shot-blasting or grinding.

- for tile over tile application of any size in porcelain stoneware, single and double fired material and ceramic mosaic indoors and outdoors after cleaning with Detergente Basico;
- to apply thin stoneware after adding Isoflex latex in a ratio 1:1 with the mixture water to RT Rapid;
- to spot-bond insulating materials such as foam polyurethane and polystyrene, rock or glass wool on walls or ceilings;
- to apply floor and wall tiles of any size in porcelain stoneware, single and double fired material, glass mosaic, ceramic mosaic and stable natural stones indoors and outdoors on waterproofing membranes such as Sanigum, Scudo Revolution and Scudo A+B;
- professional use only.

### Application:

mix **RT Rapid Flex** with clean water, to obtain a smooth, lump-free mixture. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **RT Rapid Flex**. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, swimmingpools, external walls, paving/flooring subject to heavy loads, flooring that needs to be polished once laid), the adhesive (**RT Rapid Flex**) must be spread over both the base and the back of the tile (double spreading method). The materials applied with **RT Rapid Flex** must be protected from the rain during the 8 hours following laying and must not be exposed to freezing temperatures for the first 2 days.

### Quality and Environmental Standards:

**RT Rapid** undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2015.

	<b>Opera Srl</b> Via degli Scavi 19/21 47122 Forlì - Italy
<b>DOP-IT-01-026</b> <b>RT Rapid Flex GRIGIO</b> <b>EN 12004:2007+A1:2012</b> Improved and rapid cement-based adhesive with limited slip, for indoor and outdoor tile application.	
Fire reaction	Class A1/A1 fl
Adhesion strength:	
- Initial tensile adhesion	≥ 1.0 N/mm <sup>2</sup>
- Accelerated tensile adhesion	≥ 0.5 N/mm <sup>2</sup>
Durability:	
- Tensile adhesion after thermal ageing	≥ 1.0 N/mm <sup>2</sup>
- Tensile adhesion after immersion in water	≥ 1.0 N/mm <sup>2</sup>
- Tensile adhesion after frost-thaw cycles	≥ 1.0 N/mm <sup>2</sup>
Release of harmful substances:	See Safety data sheet

Characteristics	Application methods	Consumption
One-component Mixture water: 28-29% in weight Open time: 15-20 minutes Waiting time for wall joint grouting: 2/3 hours Waiting time for floor joint grouting: 2/3 hours Frost-proof Rapid Walk over time: 2/4 hours Ready for use: 24 hours	Smooth or toothed trowel	2.5-5 kg/m <sup>2</sup>
		<b>Storage</b> Shelf life of 6 months in the original packages and in a dry place

Code	Product	Form and color	Packages	Pallet
103425	RT Rapid	Grey powder	25 kg	1500 kg
103325	RT Rapid	Total white powder	25 kg	1500 kg

### Warning

- on gypsum or anhydrite bases, use Primer GS beforehand;
- do not use on concrete constructions that have been set for less than 3 months;
- do not use on wooden, metal, rubber, PVC, linoleum, or asbestos cement surfaces;
- do not use where an adhesive layer over 5 mm thick is necessary.



### Technical and application specifications

Hazard classification as per Directive 99/45/CE:	<b>grey: irritant - white: none</b>
Mixing water:	<b>28-29% of weight (approx. 7 l per 25 kg bag)</b>
Specific weight of mixture:	<b>1.50 g/cm<sup>3</sup></b>
Mixture pH:	<b>approx. 11</b>
Pot life:	<b>30 minutes</b>
Application temperature:	<b>from +5°C to +30°C</b>
Open time (according EN 1346):	<b>15-20 minutes</b>
Joint sealant hardening time on walls:	<b>approx. 2/3 hours (depending on the absorption)</b>
Joint sealant hardening time on floors:	<b>approx. 2/3 hours (depending on the absorption)</b>
Walk-over time:	<b>2/4 hours</b>
Ready for use:	<b>24 hours (3 days for swimming pools)</b>
<b>FINAL PERFORMANCES SPECIFICATIONS EN 1348 (N/mm<sup>2</sup>)</b>	
Initial adhesion (after 28 days):	<b>2.60 N/mm<sup>2</sup></b>
Adhesion after immersion in water:	<b>1.20 N/mm<sup>2</sup></b>
Adhesion after freeze-thaw cycles:	<b>1.30 N/mm<sup>2</sup></b>
Adhesion after heat action:	<b>2.50 N/mm<sup>2</sup></b>
Acid resistance:	<b>poor</b>
Resistance to damp, solvents, oil, alkalis and ageing:	<b>excellent</b>
Temperature resistance:	<b>from -40°C to +90°C</b>
Deformabilità secondo EN 12002:	<b>S1-deformabile</b>
Harmonised customs code:	<b>38245090</b>

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.