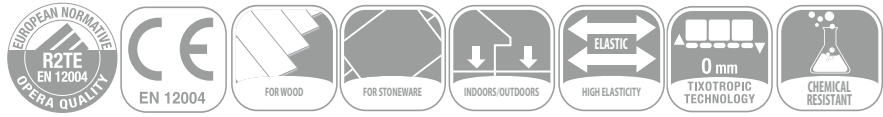


# Resilex PU2

**Two-component epoxy-polyurethane adhesive with low VOC emissions for the installation of rubber, PVC, linoleum, wood, iron, ceramic and natural stones, for indoor and outdoor application.**



## Fields of application:

- to apply floor and wall tiles of any size in porcelain stoneware, low thickness stoneware, fine stoneware, single and double fired material, glass mosaic, ceramic mosaic, natural or artificial stones, linoleum, PVC, carpet indoors and outdoors on iron, chipboard, marine-type plywood and derivatives stable to water, cured concrete, 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 radiating floors. For wall tiling on traditional renders, pre-mixed renders, on anhydrite screeds, plasterboard and gypsum without any need for a passivating primer;

- for tile over tile application of any size in porcelain stoneware, low thickness stoneware, thin stoneware, single and double fired material, glass and ceramic mosaic and natural stones indoors and outdoors after cleaning with Detergente Basico;
- for the application of stones dimensionally unstable to the adhesive humidity with resulting hollows or stains;
- professional use only.

## Characteristics:

**Resilex PU2** is a highly deformable two-component epoxy-polyurethane adhesive classified R2TE according to the norm EN 12004. **Resilex PU2** includes microcharges of spherical aggregate and an epoxy formula with eco-sustainable raw materials, without water. It is ready for walk over in 12 hours and for use in 7 days. Indicated for an easy and safe installation of all common building materials. Indicated for civil, commercial and industrial applications.

## Application:

**Resilex PU2** must be prepared mixing **Resilex PU2** component A with **Resilex PU2** component B with a low speed stirrer, to get a smooth mixture. Check that the substrate complies with norm EN 11493 point 7.3 as for the requirements of curing, integrity, surface sturdiness, dimensional regularity; the humidity content in cement-based screeds must be  $\leq 2\%$  and in anhydrite screeds  $\leq 0.5\%$  measured with carbide hygrometer for the installation of linoleum, PVC and carpet. Apply **Resilex PU2** creating an adhesive layer of max. 10 mm, so as to coat the tile back side completely. Follow the norm EN 11493 point 7.9/7.11 for outdoor applications, in sizes with side  $\geq 60$  cm and in low thickness tiles. Apply a layer of adhesive on the tile back side (backbuttering) in case of strong stresses or when required by the ceramic manufacturer. Create elastic expansion joints every 10 m<sup>2</sup> outdoors and every 25 m<sup>2</sup> indoors, every 4 m in sidewalks and skirting boards.

## Quality and Environmental Standards:

**Resilex PU2** undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2015.

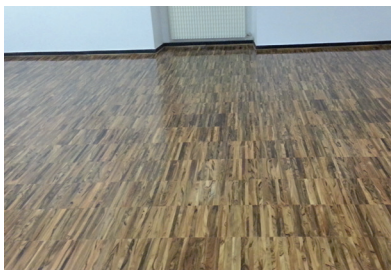
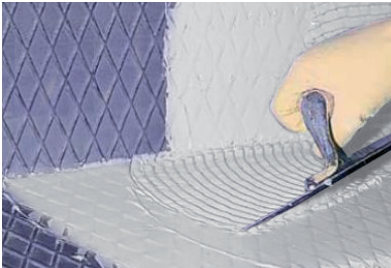
		<b>Opera Srl</b> Via degli Scavi 19/21 47122 Forlì - Italy
<b>DOP-IT-01-034</b> <b>RESILEX PU2</b> <b>EN 12004:2007+A1:2012</b> Improved reaction adhesive for ceramic tiles		
Fire reaction	Class E-E-fl	
Adhesion strength:	$\geq 2.0$ N/mm <sup>2</sup>	
Durability:	$\geq 2.0$ N/mm <sup>2</sup>	
- Cutting adhesion after thermal shock	$\geq 2.0$ N/mm <sup>2</sup>	
- Cutting adhesion after immersion in water	$\geq 2.0$ N/mm <sup>2</sup>	
Release of harmful substances:	See Safety data sheet	

Characteristics	Application methods	Consumption
Two-component product Waterproof Thixotropic Universal Ultra flexible	Toothed trowel	2.5-5 kg /m <sup>2</sup>
		<b>Storage</b> Shelf life of 12 months in the original packages at temperatures above +5°C. Do not expose to direct sunlight.

Code	Product	Color	Packages	Pallet
152010	Resilex PU2	White	10 kg (9.4+0.6)	480 kg

**Warning:**

- always follow the mixing ratios recommended for the two parts;
- do not use **Resilex PU2** on surfaces that are damp or subject to rising damp;
- once set, the product is extremely difficult to clean off;
- working in high temperatures or on surfaces exposed to direct sunlight reduces the product's setting time considerably;
- bear in mind that temperatures below +12°C can also lengthen the setting time considerably and workability may be reduced due to the hardness of the mixture.


**Technical and application specifications**

Hazard classification as per Directive 99/45/CE:	<b>irritant (part A) corrosive (part B)</b>
Mixing ratio:	<b>comp A: comp B = 9,4 : 0,6</b>
Specific weight of mixture:	<b>1.53 g/cm<sup>3</sup></b>
Brookfield viscosity (mPa.s):	<b>800.000 (# F-rpm 2,5)</b>
Pot life:	<b>approx. 60 minutes</b>
Application temperature:	<b>from +10°C to +30°C</b>
Open time (according EN 1346):	<b>approx. 2 hours</b>
Handling time:	<b>approx. 3 hours</b>
Joint sealant hardening time on walls:	<b>approx. 12 hours</b>
Joint sealant hardening time on floors:	<b>approx. 12 hours</b>
Walk-over time:	<b>12 hours</b>
Ready for use:	<b>approx. 7 days</b>

**FINAL PERFORMANCES SPECIFICATIONS EN 12003 (cutting resistance - N/mm<sup>2</sup>)**

Initial adhesion:	<b>6.50 N/mm<sup>2</sup></b>
Adhesion after immersion in water:	<b>4.80 N/mm<sup>2</sup></b>
Adhesion after thermal shock:	<b>4.90 N/mm<sup>2</sup></b>
Adhesion to 30 min (EN 1346):	<b>2.40 N/mm<sup>2</sup></b>
Resistance to damp, solvents, oil, and ageing:	<b>good</b>
Resistance to acids and alkalis:	<b>good</b>
Temperature resistance:	<b>from -30°C to +90°C</b>
Harmonised customs code:	<b>35069100</b>

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