adesivi

TECHNICAL DATA SHEET

PRODUCT

EPOKITT EPOXY SYSTEM

FEATURES

EPOKITT epoxy system is a 2k epoxy putty, with inert inorganic charges, tixotropized, and solvent free. It is completely reactive and not subject to cure shrinkage when forming a thin film. As the system is in paste form, it can be applied also to vertical surfaces.

Thanks to high reactivity, the system can be used also at low temperatures (up to 5°C).

It is ideal for structural adhesion of different materials and shapes (brick, marble, granite, wood, aluminum, iron, porcelain), anchorages, sealing and smoothing.

Since EPOKITT epoxy putty is neutral it can also be coloured according to user needs.

TECHNICAL DATA – TIXO VERSION

	Putty	Normal hardener	Fast hardener	
Specific weight	1850 ± 20 g/l	1750 ± 20 g/l	1650 ± 50 g/l	(MI 001)
V.O.C.	5 ± 1 g/l			(ASTM 2369)
Viscosity	1600 ± 200 Pas	150 ± 50 Pas	/	(MI 002, 2B; 25 °C)
Consistency	1350 ± 150 Pas	125 ± 50 Pas	/	(MI 002B; 25°C)
Formulations	M5104	M5100	M5101	
Colour	Ice white	Pale grey	Pale grey	

TECHNICAL DATA – TRANSPARENT TIXO VERSION

	Putty	Hardener	
Specific weight	1100 ± 20 g/l	1000 ± 20 g/l	(MI 001)
V.O.C.	5 ± 1 g/l		(ASTM 2369)
Viscosity	950 ± 150 Pas	80 ± 20 Pas	(MI 002; 25°C)
Consistency	550 ± 100 Pas	/	(MI 002; 25°C)
Formulations	M5105	M5102	
Colour	Colorless	Pale yellow	

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Email: ilpasrl@ilpa.it – http: // www.ilpa.it – Cap. Soc. € 218.400,00 i.v. – R.E.A. n. 152397 – Cod. Fisc. e P. IVA n. IT 00465900728 – Reg. imp. Bari n. 6525

TECHNICAL DATA – FAST LIQUID VERSION

	Putty	Hardener	
Specific weight	1640 ± 50 g/l	1460 ± 50 g/l	(MI 001)
V.O.C.	5 ± 1 g/l		(ASTM 2369)
Viscosity	321 ± 5 hPas	551 ± 5 hPas	(MI 002, 2B; 25 °C)
Formulations	M5106	M5103	
Colour	No pigmented	No pigmented	

STORAGE

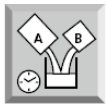
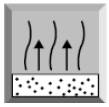
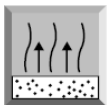
Keep the container well closed and stored in a cool (temperature below 25°C) and ventilated environment for a maximum period of 12 months from the date of production marked on the tin. Avoid direct sun exposure.

SAFETY RULES

Keep the place ventilated during application and drying processes. The use of personal protective equipment is recommended during application. Read carefully the safety data sheet before application.

APPLICATION

- Remove dust, moisture, dirt and friable and incoherent parts from the surfaces to be joined. Generally it is enough mechanical abrasion or solvent degreasing.
- Mix the epoxy putty with the necessary quantity of hardener as to obtain an homogeneous mixture. To such effect, use mechanical mixers at slow speed or mix by hand using a spatula. To shape or finish, we recommend to moisten the spatula with solvent or denatured alcohol.
- Do not put back putty/catalyzed and/or used hardener in the can to prevent the entire contents of the can gets spoiled;
- The final cleaning of the tools can be done with a normal nitro solvent, acetone.
- Close the cans after use, in order to prevent the product hardens in contact with air.

	Application	Putty knife
	Mixing ratio massa o volume	Tixo and Liquid version : 100 - 100 Transparent tixo version : 100 - 50
	Gel time	Normal version : 30 min Fast version : 4 min (MI 003; 25°C)
	Set time	Normal version : 60 - 90 min Fast version : 10 - 15 min (MI 012; 25°C)
	Full dry	> 24 h (MI 012; 25°C)
	Polishable	Normal version : > 24 h Fast version : 4 - 5 h (MI 012 ; 25°C)

ADDITIONAL INFORMATION

DRYING (MI 003, MI 012)

TEMPERATURE (°C)	GEL TIME		SET TIME		FULL DRY	
	NORMAL	FAST	NORMAL	FAST	NORMAL	FAST
25	30 min	4 min	90 min	10–15 min	> 24 h	> 24 h
60	5 min	/	20 min	/	3 h	/

Note: avoid catalysis at temperatures above 60 °C: this may cause the swelling of the product with subsequent loss of mechanical properties.
It is important to observe the mixing ratio for optimum performance of the product.

TECHNICAL DATA SHEET

EPOKITT epoxy putty is great for the reconstruction of damaged or broken parts; for filling crawl spaces or for gluing subjected to limited stress, the product can be further mixed with dry sand in the maximum ratio of 1:1.

The epoxy putty EPOKITT has the highest coefficient of adhesion on substrates such as brick, marble, granite, wood, aluminum, iron, porcelain; it can also be used on other types of substrates such as rubber, ceramics, glass, tiles and synthetic resins. It allow a perfect adhesion even of substrates of different nature.

The product has a high chemical resistance to acid and / or basic agents, organic solvents (see the chart).