Fugapox

Two-component anti-acid and waterproof epoxy sealant, for industrial application.

Fields of application:

• anti-acid waterproof epoxy grouting of indoor and outdoor floor and wall joints up to 20 mm in 6 colors;
• to grout floor and wall tiles of any size in porcelain stoneware, industrial stoneware, low thickness stoneware, thin stoneware, klinker, single and double fired material, glass mosaic, ceramic mosaic, glass bricks, natural or artificial stones, granites;
• to grout industrial premises, slaughterhouses, dairies, food and test laboratories;
• grouting resistant to aggressive substances and detergents used in industrial processes;
• to grout surfaces subject to heavy thermal and crosswise stresses, such as outdoor façades, terraces, swimming-pools, fountains, saunas, spas, heating floors, premises with high traffic;
• grouting resistant to moulds, easy to clean and maintain;
• professional use only.

Characteristics:

Fugapox is a two-component anti-mould and anti-bacterial, acid-resistant and water-repellent epoxy grout with high workability, classified RG according to norm EN 13888. The formula of **Fugapox**, made up of extremely fine aggregates and pure epoxy binders, results in a very high dimensional resistance of the joints with a mixture open time of 45 minutes, making it ready for walk over after 24 hours and ready for use in 3 days, guaranteeing lasting, easy and safe protection and decoration of floor and wall tiling. Indicated for indoor and outdoor civil, commercial and industrial applications.

Quality and Environmental Standards:

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

Application:

Mix **Fugapox** component A with component B with a low speed stirrer, till getting a plastic and homogeneous mixture; pay special attention to the product storage and application temperature, that must be always between +5°C and +35°C. Do not add other aggregates or additives. Apply **Fugapox** with a rubber trowel filling the cavities completely, in diagonal direction to the joints. Emulsify **Fugapox** just applied with plenty of water and white fiber felt; rinse the grouted surface with a sponge. Remove possible halos or residues of **Fugapox** using the detergent **Fugapox** Clean. The quantities needed for any size and dimension of the joint may be calculated precisely in the site www.opera-adesivi.it/eng/, on the page "consumption calculation".

Characteristics	Application methods	Storage
Water-repellent with droplet effect Silk effect fine grain Anti-mould, anti-bacterial Resistance to temperature from -40°C to +90°C Resistance to compression after 28 days (EN 12808-3) 40 N/mm^2 Resistance to abrasion (EN 12808-2) 700 mm^3	Rubber trowel	Shelf life of 12 months in the original packages at temperatures above +5°C. Do not expose to direct sunlight

Quantity required (per mm of width): Fugapox

Tile size	2 x 2	2,5 x 2,5	10 x 10	15 x 10	12 x 24	20 x 20	20 x 25	30 x 30	30 x 60	40 x 40	60 x 60	60 x 120
Quantity kg/m^2	0.78	0.62	0.31	0.26	0.20	0.16	0.14	0.10	0.09	0.09	0.07	0.055

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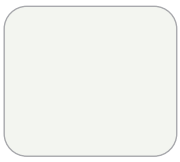
Chemical resistance of ceramic tiling with joints filled using FUGAPOX

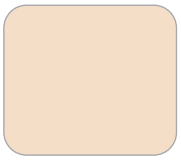
Group	Name	Conc.	Continuous use at 20° C	Intermittent. use 20° C
Acids	Acetic	2.5 % 5 % 10 %	+ (+) -	+ + -
	Hydrochloric	37 %	(+)	+
	Chromic	20 %	-	-
	Citric	10 %	-	-
	Formic	2.5 % 10%	+ -	+ -
	Lactic	2.5 % 5 % 10 %	+ (+) -	+ + (+)
	Nitric	25 % 50 %	(+) -	+ -
	Oleic	-	-	-
	Phosphoric	50 % 75 %	(+) -	+ -
	Sulphuric	1.5 % 50 % 98 %	+ (+) -	+ + -
	Tannic	10 %	(+)	+
	Tartaric	10 %	+	+
	Oxalicv	10 %	+	+
Alkalis, Saturated Solutions	Ammonia	25 %	+	+
	Caustic Soda	50 %	+	+
	Caustic Potash	50 %	+	+
	Sodium Hypochlorite			
	Active Chlorine	6.5 g/l	(+)	+
	Active Chlorine	162 g/l	-	-
	Sodium hyposulphite		+	+
	Sodium chloride		+	+
	Calcium chloride		+	+
	Iron chloride		+	+
Saturated Solutions	Aluminium sulphate		+	+
	Sugar		+	+
	Hydrogen peroxide	1% 10%	+ +	+ +
	Sodium bisulfite		+	+
	Tannic		+	+
	Tartaric		+	+
Alkalis, Saturated Solutions	Oxalic		+	+
	Olive oil		+	+
	Ethanol		+	+
	Acetone		-	-
	Ethylene glycol		+	+
	Glycerin		+	+
	Perchlorethylene		-	-
Solvents	Trichlorethane		-	-
	Trichloroethylene		-	-
	Methylene chloride		-	-
	Toluene		-	-
	Benzene		-	-
	Xylene		-	-

Key: + Excellent resistance / (+) Fair resistance / - Poor resistance

COLOR RANGE



01 - White



02 - Jasmine

16 - Dove

29 - Silver

30 - Cement grey

31 - Anthracite

32 - Black

Colors in this page are approximate only and may vary due to printing reasons.

Code	Product	Color	Packeges	Pallet
2501203	FUGAPOX	1 White	3 kg	180 kg
25022203	FUGAPOX	2 Jasmine	3 kg	180 kg
2516203	FUGAPOX	16 Dove	3 kg	180 kg
2529203	FUGAPOX	29 Silver	3 kg	180 kg
2530203	FUGAPOX	30 Cement grey	3 kg	180 kg
2531203	FUGAPOX	31 Anthracite	3 kg	180 kg
2502203	FUGAPOX	32 Black	3 kg	180 kg
*250110	FUGAPOX	1 White	10 kg	480 kg
*250210	FUGAPOX	2 Jasmine	10 kg	480 kg
*252910	FUGAPOX	29 Silver	10 kg	480 kg
*253010	FUGAPOX	30 Cement grey	10 kg	480 kg
*253110	FUGAPOX	31 Anthracite	10 kg	480 kg
*253210	FUGAPOX	32 Black	10 kg	480 kg

*upon request only with min. order of 480 kg

Warning:

- mix until the two parts are perfectly blended;
- do not use for filling joints between materials with porous surfaces, such as terra cotta, and check the cleanability ot the material you intend to apply it to beforehand;
- clean the surfaces of the material completely before the Fugapox hardens. Once set, it is extremely difficult to clean off;
- working in high temperatures or on surfaces exposed to direct sunlight reduces the product's workability 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;
- prolonged contact with acids and oxidants causes streaking;
- wait until the product is fully hardened before exposing to chemicals;
- do not use Fugapox for flexible diving joints.

Technical and application specifications

Hazard classification as per Directive 99/45/CE:	**part A: irritant - part B: corrosive**
Specific weight of mixture:	**1,54 g/cm³**
Pot life:	**approx. 45 minutes**
Mixing ratio:	**part A: 9.4 - part B: 0.6**
Application temperature:	**from +5°C to +35°C**
Joint sealant hardening time with tiling laid using standard adhesives:	**approx. 4-7 hours (on walls)** **1 day (on floors)**
Joint sealant hardening time for tiling laid using fast-setting adhesives:	**approx. 2 hours (on walls)** **approx. 3 hours (on floors)**
Walk-over time:	**24 hours**
Ready for use:	**approx. 3 days**
FINAL PERFORMANCE SPECIFICATIONS EN 12003	
Initial cutting resistance:	**24 N/mm²**
Cutting resistance after immersion in water:	**24 N/mm²**
Cutting resistance after thermal shock:	**23 N/mm²**
Resistance to abrasion (EN 12808-2):	**145 N/mm²**
Resistance to flexion (EN 12808-3):	**30 N/mm²**
Resistance to compression (EN 12808-3):	**60 mm³**
Retreats (EN 12808-4):	**0,80 mm/m**
Absorption of water after 240 min (12808-5)	**0,05 g**
Acid resistance:	**excellent (see chart)**
Resistance to damp, solvent, oil, alkalis and ageing:	**excellent (see chart)**
Temperature resistance:	**from -20°c to + 90°C**
Harmonised curstoms code:	**35069100**

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