



**we
care**



Suitable for dry & wet areas like kitchens, bathrooms, swimming pools, high traffic areas in residential & commercial installations including showroom, multiplexes, shopping malls, hotels & industries.



weberepox 2K

Product Description

Weberepox 2K is a two component, epoxy based tile grout. It is suitable for all types of tiles and stones on the floor and wall. It is especially recommended for quick grouting in residential, commercial & hospitality sector. When components of weberepox 2K are mixed, it forms a smooth, creamy & thixotropic paste, and is available in an attractive range of colors.

Features & Benefits

- For grout joints between 1 mm - 10 mm.
- Easy to mix, creamy consistency high productivity grout.
- Can be applied on wall and floor.
- Highly thixotropic - non - sag formula.
- Easy to apply.
- Low water absorption results in watertight joints.
- Hygienic in service & would not allow bacterial growth.
- Water cleanable grout.
- Low VOC - Over curing full reaction takes place.
- Available in 12 widely used colors.

Conformity to standards

ANSI A118.3 - chemical resistant, water cleanable, tile setting & grouting epoxy.

US FDA in accordance with 21 CFR 175.300

ISO 13007-3 for abrasion, shrinkage and water absorption

Usage

- Stain resistance properties make it suitable for maintenance-free use in residential, commercial, & hospitality sector.
- High bond strength makes it suitable for use with ceramic tile, porcelain, and vitrified tiles, large format tiles & stones, low thickness slabs, natural stone, artificial stone, etc.

- Resistance to bacteria & fungal growth makes it suitable for hygiene sensitive areas which require sterile conditions for clinics, hospitals, operation theatres, swimming pool and kitchens.
- Low water absorption ensures that it can be used for wet areas, swimming pools, bathrooms, public toilets, and showers.

Limitations

- Do not use in areas with heavy machineries, vehicular traffic etc.
- Suitable for joint widths between 1 mm & 10 mm.
- Epoxy grout applications should not be done in excessive heat. After full curing weberepox 2K would resist temperatures between 0°C - 80°C.
- When weberepox 2K is used on exterior installations, color variations may occur over time, especially with lighter shades due to ultra violet rays or environmental contaminants.
- Please ensure compatibility of the tiles/stones with the mixed material. Please refer to the methodology of application section and the literature of the tile/stone manufacturer taking suitable precaution. It is always advisable to test a small sample area before grouting the entire area.

Method of Application

Surface Preparation

- The tiles/stones should be firmly set & the adhesive or mortar should be completely dry.
- Remove the spacers before grouting. Grout joints must be clean and free of standing water, dirt, dust & foreign matter.
- Remove the excess of adhesive or mortar from the joint area.
- Do not clean the tiles/stones with acid cleaners. All joints to be clean by washing with water/detergent. Any water or moisture present during grouting will reduce the performance of the grout.
- Ensure the joints are completely dry before grouting.

Mixing

- Ensure proper use of personal protective equipment (PPE) before mixing.
- Take 11.5 parts Resin (paste), 1-part Hardener (liquid) i.e., (11.5 : 1 by weight and 6 : 1 by volume)
- Mix the components thoroughly for 2-3 minutes to get a homogeneous paste and consistent color.
- Avoid prolonged mixing as it traps air and shortens pot life.
- The workable mixed grout can be used for upto 60 minutes at 25°C.
- Wash tools immediately with water before the epoxy hardens. It is very difficult to remove after it has hardened.
- In case of mixing with a mechanical mixer, recommended a slow 100 rpm mechanical mixer.
- No water to be added in the mix.

Application

- Before the application process assure proper use of PPE.
- The application is done easily using webertool squeegee, but can also be done using rubber float, squeegee, or other appropriate tool.
- The squeegee is used to force the grout into the joints in a continuous manner, leaving it flush with the tile edge ensure the joints are firmly filled & free of voids.
- Wipe off any excess material within 30 - 80 minutes with a sponge or an appropriate tool. Use a damp sponge to clean the tiled surface. Use the sponge in a circular motion to get optimum results.
- Utilize only a minimum amount of water in cleaning which will otherwise impair the final chemical resistance.
- The area should be cordoned off to prevent any accidental damage to the grout.
- For vertical surfaces, non-abrasive cloth or smooth pad can be used to loosen any film and removing it

without removing the epoxy from the joints.

- If any touch-ups are required, should be done within 30- 40 minutes of application.
- Recommended to complete the final cleaning within 10-20 minutes from the initial cleaning.

Maintenance

- Keep the working area protected for 48 hours after application. For swimming pools- it is required to be kept protected for 72 hours.
- Normal water can easily clean weberepox 2K. Use of harsh chemicals are not recommended and should be avoided.
- Performance and durability would depend on the maintenance of the installed area.
- Acid cleaning for a household can be done only after 14-21 days of application.

Coverage

$$\frac{\rho \times J_w \times T_t \times (T_l + T_b)}{(T_l + J_w) \times (T_b + J_w)}$$

Where :

ρ is the Mix density in g/cc.

J_w is the Joint width in mm.

T_t is the Tile thickness in mm.

T_l is the Length of tile in mm.

T_b is the Breadth of tile in mm.

Coverage in kg/sqm.

Grout consumption in kg/m²

Size of tile in mm	Joint width in mm					
	2	4	6	8	10	12
300 x 300 x 8	0.17	0.35	0.52	0.70	0.87	1.05
300 x 300 x 10	0.22	0.44	0.66	0.87	1.09	1.31
300 x 300 x 12	0.26	0.52	0.79	1.05	1.31	1.57
300 x 450 x 8	0.15	0.29	0.44	0.58	0.73	0.87
300 x 450 x 10	0.18	0.36	0.55	0.73	0.91	1.09
300 x 450 x 12	0.22	0.44	0.66	0.87	1.09	1.31
450 x 450 x 8	0.12	0.23	0.35	0.47	0.58	0.70
450 x 450 x 10	0.15	0.29	0.44	0.58	0.73	0.87
450 x 450 x 12	0.17	0.35	0.52	0.70	0.87	1.05
450 x 600 x 8	0.10	0.20	0.31	0.41	0.51	0.61
450 x 600 x 10	0.13	0.26	0.38	0.51	0.64	0.77
450 x 600 x 12	0.15	0.31	0.46	0.61	0.77	0.92
600 x 600 x 8	0.09	0.17	0.26	0.35	0.44	0.52
600 x 600 x 10	0.11	0.22	0.33	0.44	0.55	0.66
600 x 600 x 12	0.13	0.26	0.39	0.52	0.66	0.79

ANSI 118.3 Specification

Classification Code	Test characteristics	As per ANSI	weberepox 2K
Water cleanability	Spreadable and cleanable after mixing	80 min	85 min
Setting time	Initial setting time	>120 min	165 min
	Service setting time	<7 days	6 days
Shrinkage	After 7 day cure	<0.25%	0.09%
Sag in vertical joints	In 10 mm tile gap	No Change	No Change
Bond strength to quarry tile	Shear bond strength after 14 days	>6.9 MPa	7.2
Compressive strength	After 7 days	>24.2 MPa	28.5 MPa
Tensile strength	After 7 days	>6.9 MPa	7.5
Thermal shock resistance	Shear bond strength immersion and hot and cold water bath	>3.5 MPa	3.9

Confirmation To Standards ISO 13007 - 3 as per Grout

Classification Code	Test characteristics	As per ISO 13007	weberepox 2K
RG - Reaction resin grout	Abrasion resistance	<250 mm ³	235 mm ³
	Shrinkage	<1.5 mm/m	0.15 mm/m
	Water absorption after 240 min	<0.1 g	0.06 g

Chemical Resistance Chart

Substance	Chemical formula	Concentration	Splash Contact	>30 mins Contact	>24 hours Contact
Acetic Acid	CH ₃ COOH	2.50%			
		5%			
		10%			
		100%			
Benzoic Acid	C ₆ H ₅ COOH	5%			
Citric Acid	C ₆ H ₈ O ₇	10%			
Formic Acid	HCOOH	2.50%			
		10%			
Hydrochloric Acid	HCl	10%			
Hypochlorous Acid	HClO	4%			
Lactic Acid	C ₃ H ₆ O ₃	5%			
Nitric Acid	HNO ₃	10%			
		25%			
		50%			
		100%			
Oleic Acid	C ₁₈ H ₃₄ O ₂				
Oxalic Acid	C ₂ H ₂ O ₄	10%			
Phosphoric Acid	H ₃ PO ₄	80%			
Sulfuric Acid	H ₂ SO ₄	20%			
		50%			
Tartaric Acid	C ₄ H ₆ O ₆	50%			
Tannic Acid	C ₇₆ H ₅₂ O ₄₆	50%			
Ammonia Solution	NH ₃	25%			
Calcium Chloride	CaCl ₂	10%			
Hydrogen Peroxide	H ₂ O ₂	1%			
		10%			
Potassium Permanganate	KMnO ₄	1%			
		10%			
Sodium Bicarbonate	NaHCO ₃	20%			
Sodium Hydroxide	NaOH	50%			
Acetone	(CH ₃) ₂ CO	NA			

Substance	Chemical formula	Splash Contact	>30 mins Contact	>24 hours Contact
Butyl Acetate	C ₆ H ₁₂ O ₂			
Carbon Tetra Chloride	CCl ₄			
Chloroform	CHCl ₃			
Dichloromethane	CH ₂ Cl ₂			
Ethanol	C ₂ H ₅ OH			
Ethylene Glycol	C ₂ H ₆ O ₂			
Glycerol	C ₃ H ₈ O ₃			
Methyl Ethyl Ketone	C ₄ H ₈ O			
Toluene	C ₇ H ₈			
Xylene	C ₈ H ₁₀			
Beer	NA			
Bleach	NA			
Butter	NA			
Citrus Juice	NA			
Coffee	NA			
Coke	NA			
Glucose	NA			
Hair Dye	NA			
Milk	NA			
Sauce	NA			
Sugar	NA			
Tea	NA			
Toilet Cleaner (acidic)	NA			
Toilet Cleaner (basic)	NA			
Toilet Cleaner (neutral)	NA			
Tomato Ketchup	NA			
Turmeric	NA			
Vegetable Oil	NA			
Vinegar	NA			
Wine	NA			

= Resistance

= Limited Resistance

= Not Resistance

Product Details

Physical State	Component A - Colored resin paste. Component B - Straw colored liquid
Pot life	@ 25° C > 60 min.
Full cure	10 days.
Temperature range	0° to 80°c.
Mix density	1.64 gm/cc.

Shelf Life

12 months from the date of packaging, when stored in a cool, dry environment away from sunlight.

Packaging

5 kg bucket containing 4.6 kg resin paste (Component A) and 400 g hardener liquid (Component B).

Condition of sale

Sold subject to the company's conditions of sale which are available on request.

Precautions For Use

- There may be irritation caused in eyes and skin in case of contact for a very long time. Please seek medical help if the problem persists for a long time. It is recommended applying the product with gloves.
- To use this product safely, to protect your health and the environment, refer the MSDS and follow the the precautionary statements, also labeled on the packaging.
- Do not use this product in rooms without ventilation.

Disclaimer

The user should determine the usability of the product for its intended use. Our products are manufactured under the Saint-Gobain quality standards and subjected to strict quality and control procedures. Since the company has no control over site conditions and the installation procedures, the company would not be responsible under any circumstances for any loss, damage, or liability from incorrect usage.



FDS / SDS / DoP
Product information



<https://goo.gl/d39avs>

Scan QR code to download android app for product information and technical data for our complete product range, directly from your smartphone.



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