



High productivity
easy to apply
epoxy grout

weberepox
easy

weberepox easy



Product Description

Weberepox easy is a two component, easy to use, epoxy based tile adhesive and grout. It is suitable for all types of tiles and stones on the floor and wall. It is especially recommended for hygiene sensitive areas and also areas which require sterile conditions.

When components of weberepox easy are mixed, it forms a smooth, creamy & thixotropic paste, which makes it easy to mix, easy to apply, easy to clean, and easy to maintain. At the same time, it also provides high mechanical and chemical resistance properties. The resultant is, an easy to use, high durability grout, which is available in an attractive range of colors

Features & Benefits

- For grout joints between 2 mm - 12 mm.
- Easy to mix, creamy consistency high productivity grout.
- Can be applied on wall and floor.
- Highly thixotropic - non - sag formula can be used as both grout and adhesive on floor & wall.
- Easy to apply
- Early flexural properties
- High resistance to abrasion
- High Compressive strength
- Low water absorption results in watertight joints
- Resistance to stain & chemicals.
- Hygienic in service & would not allow bacterial growth
- Low VOC - Over curing full reaction takes place.
- Available in 12 widely used colors.

Conformity To Standards

- RG - as per ISO 13007 - 3
- R2T - as per ISO 13007
- ANSI A118.3 - chemical resistant, water cleanable, tile setting & grouting epoxy.
- US FDA in accordance with 21 CFR 175.300

Usage

- Anti-stain properties make it suitable for maintenance - free use in residential, commercial, & hospitality sector.
- High bond strength makes it suitable for use with ceramic tile, porcelian, and vitrified tiles, large format tiles & stones, low thickness slabs, natural stone, artificial stone, etc.
- High compressive strength along with its chemical resistant properties make it suitable for industrial applications like chemical industries, laboratories, production & storage workshops, paper mills, dyeing plants, tanneries, food industries, breweries, commercial kitchens, battery rooms, workshops, dairies, & processing plants. Please refer to the chemical resistance chart in case of extreme industrial conditions.
- Resistance to bacteria & fungal growth makes it suitable for hospitals, operation theatres, clinics, swimming pool and kitchens.
- Low water absorption and resistance to a wide degree of temperature variation ensures that it can be used for wet areas, swimming pools, spas, jacuzzis, bathrooms, public toilets, and showers.
- Low abrasion or high abrasion resistance makes it suitable for usage in heavy traffic areas like subway stations, shopping malls and airport terminal buildings & even industrial use.

Limitations

- Suitable for joint widths between 2 mm & 12 mm.
- Epoxy grout applications should not be done in excessive heat. After full curing weberepox easy would resist temperatures between 0°C - 80°C.
- When weberepox easy 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 should 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 4 parts Resin (component A), 1 part Hardener (component B) i.e., (4:1 by weight and 3.75:1 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 80 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.

Product Application

Tile Grouting

- 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 - 90 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- 45 minutes of application.
- Recommended to complete the final cleaning within 10-20 minutes from the initial cleaning.

Adhesive

- Once all the components are correctly mixed, apply on the substrate with the help of notch trowel.
- Press tile/stone firmly against the adhesive bed with slight shear.
- Ensure proper material transfer for good bonding.
- At regular interval check the transfer of material on tile/stone.

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 easy. 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 10-14 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	0.16	0.32	0.48	0.64	0.80	0.96
300 x 300 x 10	0.20	0.39	0.59	0.79	0.99	1.18
300 x 300 x 12	0.23	0.47	0.70	0.93	1.17	1.40
300 x 450 x 8	0.13	0.27	0.40	0.54	0.67	0.81
300 x 450 x 10	0.17	0.33	0.50	0.66	0.83	1.00
300 x 450 x 12	0.20	0.39	0.59	0.79	0.99	1.18
450 x 450 x 8	0.11	0.22	0.33	0.43	0.54	0.65
450 x 450 x 10	0.13	0.27	0.40	0.54	0.67	0.81
450 x 450 x 12	0.16	0.32	0.48	0.64	0.80	0.96
450 x 600 x 8	0.10	0.19	0.29	0.38	0.48	0.57
450 x 600 x 10	0.12	0.24	0.35	0.47	0.59	0.71
450 x 600 x 12	0.14	0.28	0.42	0.56	0.70	0.84
600 x 600 x 8	0.08	0.16	0.25	0.33	0.41	0.49
600 x 600 x 10	0.10	0.20	0.31	0.41	0.51	0.61
600 x 600 x 12	0.12	0.24	0.36	0.49	0.61	0.73

Confirmation To Standards ISO 13007 - 3 as per Grout

Classification Code	Test characteristics	As per ISO 13007	weberepox easy
RG - Reaction resin grout	Abrasion resistance	<250 mm ³	194 mm ³
	Flexural strength after 28 days conditioning	>30 MPa	32 MPa
	Compressive strength after 28 days conditioning	>45 MPa	47 MPa
	Shrinkage	<1.5 mm/m	0.57 mm/m
	Water absorption after 240 min	<0.1 g	0.05 g

Confirmation To Standards ISO 13007 - 1 as per Adhesive

Classification Code	Test characteristics	As per ISO 13007	weberepox easy
R2 - Improved reaction resin adhesive	Shear adhesion strength	>2 MPa	8
	Shear adhesion strength after water immersion	>2 MPa	6.5
	Shear adhesion strength after thermal shock	>2 MPa	5.2
	Open time : tensile adhesion strength	>0.5 MPa after not less than 20 min	3.5
T - Slip resistance	Vertical slip resistance	<0.5 mm	No slip

ANSI 118.3 Specification

Classification Code	Test characteristics	As per ANSI	weberepox easy
Water cleanability	Spreadable and cleanable after mixing	80 min	95 min
Setting time	Initial setting time	>120 min	175 min
	Service setting time	<7 days	6 days
Shrinkage	After 7 day cure	<0.25%	0.06%
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	8.5
Compressive strength	After 7 days	>24.2 MPa	33
Tensile strength	After 7 days	>6.9 MPa	8.7
Thermal shock resistance	Shear bond strength immersion and hot and cold water bath	>3.5 MPa	4.2

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 - Neutral Color Hardener paste.
Pot life	@ 25° C > 80 min.
Full cure	7 days.
Temperature range	0° to 80°c.
Mix density	1.58 g/cc.

Shelf Life

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

Packaging

5 kg bucket containing both Component A (Resin) - 4 kg and Component B (Hardener) - 1 kg.

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.



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Product information



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Saint-Gobain India Pvt. Ltd. - Weber business
5th Level, Leela Business Park
Andheri-Kurla Road, Andheri (East)
Mumbai - 400 059, Maharashtra, India.
www.in.weber