

Treat yourself to the gold rush
weber epoxy glitter grout
Weber shine armor



Product Description

Weber shine armor is a two component, 100% solid, glitter based reaction resin epoxy grout which is acid resistant. The glitter component is premixed with the resin base which results into a consistent, uniform & highly aesthetically finished joints after application. The premixing prevents the inconsistency of mixing glitter at site. Weber shine armor is formulated with selective size of glitter along with reflective, spherical filler in combination with epoxy resin & polymer to allow the light to pass through grout itself to create a unique glittering appearance. It can be applied on horizontal & vertical, interior & exterior, dry, wet and submerged conditions in residential and commercial areas. It can be used with ceramic tiles, porcelain tiles, vitrified tiles, natural & artificial stone, marbles, glass tiles, glass mosaic tiles and granites, in different sizes of grout width.

Features & Benefits

- Glitter component is premixed to avoid mixing at site. This results in consistent, uniform & highly aesthetically finished joints.
- Glittering effect is higher due to reflective filler & transparent resin enhances decorative and durable joints.
- Easy to mix with a creamy consistency which helps in faster application and ease in cleaning.
- Available in attractive & decorative colors.
- High sag resistance formula and thixotropic. Can be used for both floor & wall applications.
- Excellent stain & chemical resistance properties.
- Very low in shrinkage and high resistance to cracks.
- Non absorbent and water resistant joints prevents growth of bacteria and fungus.

- High mechanical strength results into long durability of the grouts.
- It can resist most of commercial cleaners used for cleaning tile and stone.
- Very low in volatile organic compounds which allows it to be used in green buildings.
- High bonding strength with tile and stone.
- Able to withstand heavy traffic and weathering conditions.

Area of application

- Grouting in kitchen, bathroom, residential, swimming pool, commercial, spa, jacuzzi and saunas.
- For joint filling in between designer glass mosaic & modern glass tiles where high aesthetic & decorative finish is desired.

Conformity to standards

- Food Regulation test as per CFR 175-300 US –FDA
- Resistance to abrasion as per ISO 13007-4
- Compressive strength as per ISO 13007-4
- Shrinkage as per ISO 13007-4
- Water absorption as per ISO 13007-4
- Water clean ability as per ANSI 118.3
- Very low absorption exceeding ANSI 118.3

Usage

- For grouting of varied design glass tiles on wall and floor in internal and external areas.
- Grouting of tiles and stones where high aesthetic and decorative finish is required.
- Grouting in swimming pools, spas, jacuzzis, bathrooms & public toilets and showers.

Limitations

- Minimum joint width of 1mm.
- Maximum joint width of 7mm in vertical and 14mm in horizontal.

- Do not use the grouts in industrial aggressive chemical prone areas and the areas which are subjected to aggressive cleaning with pressure or steam cleaning.
- Atleast for 7 days after grouting for acid cleaning & submerged conditions.

Cautions

- Ensure compatibility of the tiles/stones with weber shine armor.
- 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.
- No water addition to be done in the mix as it will adversely affect the performance.
- Grout needs to be protected from chemical, acid and staining agents during curing process and can be tested after 7-10 days of application.
- Weber shine armor is not a replacement of water proofing membrane, consult weber personnel for weber water proofing products.
- Do not inhale or intake; keep out of reach of children.
- Use personal protective equipment like gloves and eyeglass while mixing and application of grouts.
- Always ensure the joints are fully packed, especially in case of irregular and tight joints.
- Grouting needs to be protected for minimum 7 days from rain after application.
- In case of high porous tile and stone use weber sealer to protect the stone prior to grouting.

Method of application

Surface preparation

- The tiles/stones should be firmly set & the adhesive or mortar is completely dry.
- In wet stage adhesive/mortar to be removed from the joints to avoid contamination during grouting.
- Grout joints must be clean and free of standing water, solvent, dirt, dust & foreign matter.
- The spacers should be removed before grouting.
- The tiles/stones should not be cleaned with acid cleaners and all joints should be cleaned by washing with water/detergent.

Mixing

- Use personal protective equipment before mixing.
- Add hardener component B into the component A container and mix the content for 3-5 minutes with slow speed mixer ensuring proper mixing of the component. Do not prolong the mixing time to avoid air entrapment resulting in reduction of pot life.
- In case of small quantity use approx 8 : 1 ratio by volume of component A (resin) to component B (hardener) and mix thoroughly for 5 minutes with trowel or appropriate tool. Mixed workable grout to be used within 45 minutes at 27°C.
- Tools need to be cleaned immediately with water after the application, hardened material will be difficult to remove.
- No water to be added to the mix.

Product Application

- Spread the grout on surface with rubber grout float or appropriate tool. It need to be filled diagonally across the joints, ensuring packing is full to avoid any free air voids.
- Excess grout to be removed from the tile surface by pulling the rubber float or appropriate tool diagonally across the joint carefully to prevent any grout removal.

Cleaning & Finishing

- Cleaning to be done 15 - 20 mins after grouting. Incase of any individual doing the application only grout as much area as can be cleaned in next 15 to 20 mins. In case of team doing application one person should do grouting and other person follow by cleaning.
- Always use fresh and clean water for cleaning and finishing.
- Rinse the scrubber with water and squeeze to completely dry, move the scrubber flat, lightly on the tile surface in circular motion for cleaning and to prevent grout removal from the joints.
- Do not use excessive water while cleaning as it will delay the curing time as well can create haziness on the joints, excess water if any to be removed immediately.
- Water to be changed at regular interval or when found water gets dirty.
- During cleaning check for down joints if any and to be repaired immediately.
- Allow cleaned area to dry and use dry clean cloth for final cleaning of the grouts.
- No traces of epoxy to be left on the tile, once hardened it is difficult to remove the material from the surface.
- On smooth surface like glass mosaic and glass

tile weber shine armor can be cleaned with well squeezed clean cloth.

Precautions during curing

- The grouted area needs to be protected from dust and light foot traffic for minimum 24 hours.
- Heavy foot traffic to be allowed only after 72 hours of grouting
- Grouted area of swimming pool, wet, shower, fountain and steam shower area need to be protected for minimum 7 days from moisture.

Maintenance

- Weber shine armor require normal water cleaning. Diluted commercial cleaners can also be used if required.
- For best stain resistance, clean the spilled materials immediately.

Conformations to standards:

ISO 13007-3 & 4, ANSI 118.3, EN 12004 R2 and CFR175-300 US-FDA

Test Parameters	Applicable Standard	Results
Abrasion resistance @7days	ISO 13007-4	< 220 mm ³
Flexural strength @7days	ISO 13007-4	> 35 Mpa
Compressive strength @7days	ISO 13007-4	>50 Mpa
Shrinkage	ISO 13007-4	<0.35 mm/m
Water absorption after 240min	ISO 13007-4	<0.07 gm
Water clean ability	ANSI 118.3	> 85 minutes
Initial setting time	ANSI 118.3	Maximum 210 min
Service setting time	ANSI 118.3	< 7 days
Linear shrinkage	ANSI 118.3	< 0.1%
Sag in vertical joints	ANSI 118.3	No sag in vertical joints
Tensile Strength	ANSI 118.3	>8 Mpa
Thermal Shock	ANSI 118.3	>7 Mpa
Food Regulation Test	21 CFR175-300 US-FDA	Passes

Chemical Resistant Chart

S.No	Chemicals	>30Mins Contact	>24 hours Contact
1	Sulfuric Acid 50%	☐	☐
2	Nitric Acid 25%	☐	☐
3	Nitric Acid 50%	◐	◐
4	Nitric Acid 100%	◐	▲
5	Benzoic Acid 5%	☐	☐
6	Phosphoric Acid 80%	◐	▲
7	Acetic Acid 2.5%	☐	☐
8	Acetic Acid 5%	☐	☐
9	Acetic Acid 10%	☐	☐
10	Acetic Acid 100%	◐	▲
11	Oleic Acid	◐	◐
12	Oxalic Acid 10%	☐	☐
13	Tartaric Acid 50%	☐	☐
14	Alcohol	☐	☐
15	Lactic Acid 5%	◐	▲
16	Toluene	◐	◐
17	Methylene Di chloride	◐	◐
18	Chloroform	☐	☐
19	Sodium Hydroxide 50%	☐	☐
20	Tanic Acid 50%	☐	☐
21	KMnO ₄ 1%	☐	◐
22	KMnO ₄ 10%	◐	▲
23	Turmeric	☐	☐
24	Wine	☐	☐
25	Oil	☐	☐
26	Acetone	☐	☐
27	Xylene	☐	☐
28	Tomato ketchup	☐	☐
29	Coffee	☐	☐
30	Hair dye	☐	☐
31	Bleach	☐	☐
32	Tea	☐	☐
33	Toilet cleaner (Acidic)	☐	☐
34	Toilet Cleaner (Basic)	☐	☐
35	Toilet Cleaner (Neutral)	☐	☐

☐ = Resistant

◐ = Limited Resistant

▲ = Not Resistant

Coverage Chart

Grout consumption in Kg/m ²									
Size of tile in mm	Joint Width in mm								
	2	3	4	5	6	7	8	9	10
200X300X8	0.21	0.31	0.41	0.51	0.61	0.70	0.80	0.89	0.98
250X400X8	0.16	0.24	0.32	0.40	0.48	0.56	0.63	0.71	0.78
300X300X8	0.17	0.25	0.33	0.41	0.49	0.57	0.65	0.72	0.80
300X300X10	0.21	0.31	0.42	0.52	0.62	0.71	0.81	0.90	1.00
300X300X12	0.25	0.38	0.50	0.62	0.74	0.86	0.97	1.09	1.20
300X450X8	0.14	0.21	0.28	0.35	0.41	0.48	0.54	0.61	0.67
300X450X10	0.18	0.26	0.35	0.43	0.52	0.60	0.68	0.76	0.84
300X450X12	0.21	0.31	0.42	0.52	0.62	0.72	0.82	0.91	1.01
300X600X8	0.13	0.19	0.25	0.31	0.37	0.43	0.49	0.55	0.61
400X400X8	0.13	0.19	0.25	0.31	0.37	0.43	0.49	0.55	0.61
400X400X10	0.16	0.24	0.31	0.39	0.47	0.54	0.62	0.69	0.76
400X400X12	0.19	0.28	0.38	0.47	0.56	0.65	0.74	0.83	0.91
600X600X10	0.11	0.16	0.21	0.26	0.31	0.36	0.42	0.47	0.52
600X600X12	0.13	0.19	0.25	0.31	0.38	0.44	0.50	0.56	0.62

Product details

Component A : Premixed resin with filler

Component B : Light yellow

Mixing ratio : Part A: Part B - 11.5 : 1 by weight

Part A: Part B - 8 : 1 by volume

Consistency : Creamy paste consistency

Mixed density : 1.60 gm/cc

Potlife : 45 minutes @ 27°C

Application temperature range : 10°C to 35°C

Open time for adhesive : 20 minutes

Adjustability time for adhesive : 30 minutes

Setting for light foot traffic : 24 hours

Full Cure : 7 days

Color : Gold, Silver & Copper

Coverage

Wet Density X joint width X tile thickness X (Length of tile + Breadth of tile) / ((Length of Tile + joint width) X (Breadth of tile + joint width)).

Conditions of Sale

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

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.

Shelf Life : 2 years from the date of manufacturing under sealed condition. To be stored in shed and away from direct sunlight.

Packaging : Available in 1kg and 5kg packs.

