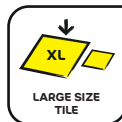




**we  
care**



**The suitable solution for fixing of natural stones and tiles especially in window jambs and door frames**



## Product description

**weberset plus-white** is a ready to mix, highly polymer modified cementitious adhesive for vitrified, ceramic tile and natural stones of regular size on wall and floor with regular traffic. This product is suitable for fixing granite and other natural stones in window jambs and door frames due to its ability to withstand mechanical operations (which are carried out during fixing doors and windows). White colour adhesive adds to aesthetic look especially for light color stones.

## Features and benefits

- Ready to mix, single component product.
- Recommended for both internal & external surfaces for wall & floor in dry & wet areas.
- Especially suited for fixing low porosity tiles and stones of regular size.
- Suitable for fixing natural stones in window jambs and door entrances.
- Highly polymer modified: Provides high structural adhesion, which allows to be used on a variety of substrates, for fixing a variety of tiles and stones.
- Excellent adhesion properties, no slip is observed on vertical applications in tiles and natural stones.
- Self-curing properties, which allows for hassle free application, with minimum labor.
- No shrinkage, prevents debonding, and gives longer life to tiles and stones.
- Low VOC for healthy living.
- Prolonged and easy workability.
- The tiled floor can be made available for foot traffic after 24 hours.
- Can be used for new construction, as well as for renovation over existing floors/facades.
- No hacking of substrate required to achieve the bonding.
- Useful for bed thickness of 3-12 mm, may go upto 15 mm in limited extent.

## Areas of application

Refer tile/substrate sheet for details

## Compliance / Standards

Specially formulated as per the requirements C (Cementitious) 2 (improved) & T (Slip resistant) of ISO 13007 and EN 12004. Also complies to IS 15477:2019 (Type 3) and ANSI A118.15.

## Limitations

- Do not use on wet screed or plaster. Surface must be fully cured.
- Use on gypsum plaster or boards, fiber cement boards, or other drywall partitions, strictly in accordance with the tile substrate recommendation table.
- Can only be used on cementitious waterproofing. Do not use on epoxy or polyurethane water proofing.
- Do not use for installing glass tiles or metal tiles. Use only weber bond poxy, for fixing glass and metal tiles.
- Do not use on metal, rubber, plastics, vinyl, linoleum surface, painted substrates. Contact weber representative for recommendation.
- Do not use on surfaces subjected to vibrations. For vibrations, use weberfix drywall for such areas.

## Method of Application

### Preparing the substrate

- Clean the substrate of oil stains and bond inhibiting compounds. Also remove dirt, dust and laitance if any using high pressure water jet or any other suitable method.
- Ensure that the substrate is flat, stable, well adhered and has a normal absorption. For fresh plasters & screeds ensure complete curing as recommended.

- Concrete screeds, renders and block work should be sufficiently cured to avoid shrinkage cracks.
- Correct the local undulation/damage on the substrate at least 48 hours before the application of weberset plus white.
- Saturate the surface well and remove excess water before application of the tile adhesive.

**Note:-**

- In case of higher undulation, a neat coat of SBR LitX to be applied on the substrate, followed by application of latex modified plaster, to smoothen the surface (Refer technical data sheet of Weber SBR LitX for further details).
- In case of oil stains, use of surfactants may be necessary, followed by proper cleaning with water, to avoid debonding of tiles.
- Leave expansion joints of atleast 10 mm thickness, every 20 feet in the substrate. Do not cover expansion joints with adhesive, and can be filled with appropriate flexible sealant.

**Preparing the mix**

- Gradually add 2.5 parts of powder to 1 part of water (by volume) and mix it to a lump free, smooth, workable paste using a suitable stirrer/low speed drill mix/or any other appropriate tool.
- After mixing allow the mixture to stand for 2 minutes for it to mature.

**Note:-**

- Do not attempt to extend the pot life by adding more water to the mix.
- Do not add any additional substance, like cement, sand etc. to the mix. These may adversely affect the performance of the product.

**Applying the mix**

- Apply the adhesive onto the substrate covering up to 1 m<sup>2</sup> at a time (or no more than what can be tiled within 20-25 minutes). Unfavorable weather conditions (strong sun, dry wind, high temperature etc.) or a highly absorbent substrate can reduce the open time, even to just a few minutes. It is therefore necessary that careful checks be made to ensure that a skin does not form on the surface of the spread adhesive. If not, re-freshen the adhesive by re-spreading with a notched trowel.
- It is not recommended to wet the adhesive with water once a skin has formed because, instead of dissolving the skin, the water will form an anti-adhesive film.
- Apply weberset plus-white over the surface using the straight edge of the notched trowel and then comb the applied adhesive using the notched side of the trowel to achieve the desired thickness.
- Double buttering is recommended for heavier / large format natural stones.
- If the adhesive is buttered to the tile, then ensure proper coverage of the tile surface to evade voids.
- Ensure adequate gap or use spacer in between subsequent stones/tiles to accommodate thermal expansion and contraction.
- Joint width shall be as per recommendation of architect/site engineer.
- NOTE: The size of the notch trowel and the angle of application will determine the bed thickness as per the following formula:

$$\text{Bed Thickness} = \frac{\text{NW} \times \text{NH} \times \sin \theta}{(\text{NG} + \text{NW})}$$

Where:

- NW is the width of the notch
- NG is the Gap in between the notches
- NH is the Height of the notch
- $\theta$  is the angle of application

## Tile/substrate application table

Substrate type	Tiles → Substrate ↓	Ceramic tiles	Terracota	Ceramic mosaic	Quarry tile	Vitrified tiles	Glass mosaics	Marble mosaic	Natural stone	Porcelain tiles	Pavers	Brick	Precast terazzo
		Cementitious	Cement-based screeds and mortars	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cement-based plasters/renders	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Existing floor	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Concrete masonry	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cement terrazzo	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blocks	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Self levelling screeds	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Others	Brick masonry	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Gypsum plaster	◆	◆	◆	◆	◆	◆	◆	×	◆	×	×	◆
	Underfloor heating installation	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	✓
Tiles	Ceramic tile	✓	✓	◇	✓	✓	◇	◇	✓	✓	×	×	✓
	Vitrified tile	✓	✓	◇	✓	✓	◇	◇	✓	✓	×	×	✓
	Stone	✓	✓	◇	✓	✓	◇	◇	✓	✓	×	×	✓

◇ without plastic mesh

◆ with primer 401

### Installing the tiles

- Clean the stone/tile with water before installation.
- Bed the tiles firmly into the adhesive with a slight sliding and/or twisting action/shear, to ensure a good and uniform contact.
- It is good practice to lift an occasional tile after fixing, to verify that the required contact is being achieved.
- In wet areas, external areas and all floors, the final adhesive bed should be free from voids.
- If necessary, tiles should be adjusted, within 60 minutes of installation.
- Carefully clean off any excess adhesive from the tiles and joints with a damp sponge or cloth before it sets. Leave for at least 24 hours before grouting.
- More time may be required before grouting when tiling onto impervious or sealed surfaces or higher bed thickness.
- For swimming pools, leave at least 3 days before grouting and then a further 17 days before filling.

### Note to Specifier:-

- To use on gypsum plaster, ensure priming is done with weber primer401.
- Use weber primer 401, corner treatment with stickon tape and two component weber waterseal 321 for comprehensive waterproofing, before application of weberset Ultra, where required.
- In case of highly dusty or porous substrate, apply 1 coat of weber primer401.



- To prevent any discoloration of natural stone, treat with under-tile impregnator webersys stoneprotect.
- To get excellent stain resistance on stone, use hydrophobic and oliophobic impregnator webersys stoneseal.
- To match joint with the color of tile/stone, use weberjoint poxy along with weber.joint poxyfill, available in more than 40 colors.
- To get invisible joints between stones, fill with specially formulated weber pearl armor specialty grout.
- To get high aesthetic appeal, fill joints with weber knight armor specialty grout.
- When natural stone is treated with webersys stoneseal as an impregnator to prevent capillary movement of slurry to avoid patches on top of stone, needs to be fixed with weber set ultra.

### Grouting and sealing

Joints to be grouted after 24 hours of application of weberset ultra using weber.joint poxy. It can also be grouted with weber.color dewdrop along with weber groutadd.

### Coverage

Approx- 1.45-1.55 kg/sq. m per mm of thickness.  
*Note:* Ensure all surfaces are clean, smooth and plum, levelled, free of defects, and without undulations for maximum coverage.

### Ready for use

Surfaces are ready for use, after 14 days, post completion of grouting.

### Packaging

20 kg double layered BOPP bags for maximum moisture protection and enhanced shelf life.

## Technical standards and performance ISO 13007 and EN 12004

Classification	Property	Requirement	weberset plus-white
C2 – Improved cementitious adhesives (additional characteristics)	Tensile adhesion strength	≥ 1.0 N/mm <sup>2</sup>	1.32 N/mm <sup>2</sup>
	Tensile adhesion strength after water immersion	≥ 1.0 N/mm <sup>2</sup>	1.25 N/mm <sup>2</sup>
	Tensile adhesion strength after heat ageing	≥ 1.0 N/mm <sup>2</sup>	1.24 N/mm <sup>2</sup>
T - Slip resistance	Slip	≤ 0.5 mm	No Slip

## ANSI A118.15

Condition	Property	Requirement	weberset plus-white
Glazed Tile Shear Strength	7 day dry	≥ 450 psi ( 3.1 N/mm <sup>2</sup> )	3.14 N/mm <sup>2</sup>
"Impervious Mosaic (Porcelain) Tile Shear Strength"	7 day water immersion	≥ 250 psi ( 1.7 N/mm <sup>2</sup> )	1.73 N/mm <sup>2</sup>
	1 day	≥ 100 psi ( 0.69 N/mm <sup>2</sup> )	0.69 N/mm <sup>2</sup>
	7 day dry	≥ 300 psi ( 2.07 N/mm <sup>2</sup> )	2.49 N/mm <sup>2</sup>
	28 day dry	≥ 400 psi ( 2.8 N/mm <sup>2</sup> )	2.83 N/mm <sup>2</sup>
	7 day water immersion	≥ 200 psi ( 1.38 N/mm <sup>2</sup> )	1.39 N/mm <sup>2</sup>
Quarry Tile shear Strength	28 day dry	≥ 150 psi ( 1.03 N/mm <sup>2</sup> )	1.09 N/mm <sup>2</sup>

## Product Details

Physical state	Powder
Colour	White
Bulk Density	1.45 to 1.55 g/cc
Mixing Ratio	2.5 : 1 by volume (powder to water)
Pot life	2 hours
Open time	20 - 25 min
Adjustability time	20 - 25 min
Ready for grouting on walls	24 hours
Ready for grouting on floor	24 hours
Set to light foot traffic	220 mins
Ready for use	14 days

## Shelf Life

1 year from month and year of manufacturing, for unopened bags and can, stored in dry condition.

## Condition of Sale

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

## Caution

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. The product is recommended to be applied with gloves.

## 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 control procedures. Since the company has no control over site conditions and installation procedures, the company will 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.



## Saint-Gobain India Pvt. Ltd. - Weber Business

5<sup>th</sup> Level, Leela Business Park, Andheri-Kurla Road, Andheri (East), Mumbai-400 059, Maharashtra. India.

Email: [weber-india@saint-gobain.com](mailto:weber-india@saint-gobain.com) Website : [www.in.weber](http://www.in.weber)

