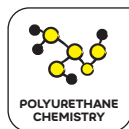




**we
care**



Suitable for all surfaces like metal, plywood, drywall, AAC wall panels, PU waterproofed surface, tile-on-tile & tile-on-stone, lime mortar surface and cementitious plasters



Product description

weberfix PU is a two component, ready to mix, polyurethane based thinset adhesive for fixing all types of tiles and stones on a variety of substrates including metal surfaces and drywall boards. weberfix PU is suitable for application on interior as well as exterior wall and floor.

weberfix PU's polyurethane formulation provides high flexibility which makes it the best choice for:

- Tiles and stones prone to water absorption and thermal expansion
- Absorbent and nonabsorbent deformable substrates like wood, metals, rubber, PVC, linoleum, asphalt etc.
- Heated subfloors and in areas subject to thermal shock and freezing
- No spacer required *

weberfix PU provides much needed flexibility for building world class architectural designs by removing constraints in terms of substrate and tile types. From any tile to any substrate, weberfix PU can handle it all.

Features and benefits

- Suitable for tile and stone cladding on high rise buildings.
- No Spacer required if adequate constructions joints are provided in tile and stone cladding.
- For internal as well as external wall and floor.
- Very High Bond strength and chemical resistance.
- Apply on substrates including wood, metals, rubber, PVC, linoleum.
- Suitable for heated subfloors and areas subjected to thermal shock and freezing.
- Ideal for tiles and stones prone to deformation due to water absorption and thermal expansion.
- Suitable to install all tiles and stones including glass** and metal tiles.
- Weberfix PU can be used for new construction as well as for renovation over existing

floors and walls.

- No hacking of substrate is required to achieve the bonding.
- No shrinkage, prevents debonding and gives longer life to tiles and stones.
- No sag formula: allows for hassle free application on vertical walls, without any slippage.
- Moisture free system : Does not damage wooden substrates or tiles, and water sensitive stone like green marble.
- Reaction based system, and thus not harshly affected by temperature & humidity.
- Useful for bed thickness of 3-6mm. May go upto 10 mm in limited extent.
- Two Component adhesive : prevents wastage, as only quantity which is required has to be mixed.
- Weberfix PU can be used on touch dry surface of concrete. Do not need to wait for substrate to get completely dry.
- Easy workability.

Classification

Specially formulated as per the requirements reaction resin adhesive (R), improved (2) and slip resistant (T) of ISO 13007 and EN 12004.

Application substrates

- Cementitious substrates like screeds and mortars, plasters/renders, existing floor, concrete Masonry, cement terrazzo, blocks, self levelling screeds.
- Drywall substrates like gypsum board, calcium silicate board, bison panel board, plaster board, tile backer board, fibre cement board, cement backer board, engineered wood, MDF, MR grade plywood, chipboard.
- Tile substrates like ceramic tile, vitrified tile, stone, porcelain tiles, glazed tiles, vinyl tiles.
- Waterproofing substrates like mastic asphalt, cementitious, epoxy, polyurethane.
- Other substrates like brick Masonry, gypsum

plaster, underfloor heating installation, overlaid timber floors, metal, rubber, linoleum, PVC.

Note: Refer to the backer board manufacturer's data sheet for specific board intended for use.

Application areas

Suitable for interior as well as exterior, wall & floor.

Surface preparation

For Cementitious substrate, waterproofing and tiles:

- Substrate should be structurally sound, clean and free of all bond inhibiting compounds, like dirt, oil, grease, paint, sealers, curing compounds, laitance etc. Remove dirt, dust and laitance if any using high pressure water jet or any other suitable method. Surfactants may be required for oil, grease etc.
- Surfaces should be within 15°C to 40°C (at higher temperature material will set faster. To bring down the temperature, saturate with water).
- Rough or uneven concrete surfaces should be made smooth. Concrete screeds, renders and block work should be sufficiently cured to avoid shrinkage cracks.
- Saturate the surface well (cementitious substrates) and remove excess water before application of the tile adhesive. Surface should be brought to touch dry condition.

For Drywalls and other substrates:

- Only dry cleaning is recommended for such substrates.. For metallic substrate, loose rust and paint needs to be removed and to be properly treated before application of Weberfix PU. Use a wire brush if required, to remove any bond inhibiting compound.
- Ensure that the substrate is flat, stable and well adhered.

Note:

- In case of higher undulation, a neat coat of SBR LitX to be applied on the substrate, followed by application of weberwall premium plaster, to smoothen the surface (Refer technical data sheet of Weber SBR LitX and weberwall premium plaster 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 10mm thickness, for every 12 feet in the substrate and in accordance with industry standards. Do not cover expansion joints with adhesive, and can be filled with appropriate flexible sealant.

Mixing

- Take 9 parts component A, and 1 part component B, by weight (5:1 by volume) in a bucket / other suitable container.
- Mix for 3-5 minutes, preferably using a slow speed stirrer (100 rpm), or using any other suitable method. Mixing at high speed should be avoided.
- Mix only the quantity of adhesive, which can be consumed in 90 mins.
- Wash tool immediately with water, after use, and before the adhesive hardens.
- No water to be added to the mix.

Application

- Apply the adhesive onto the substrate covering up to 1 m² at a time (or no more than what can be tiled within 30 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 adhesive fins do not become hard. If observed hard, remove the adhesive, and apply fresh

adhesive.

- Apply Weberfix PU 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 stones.
- If the adhesive is buttered to the tile, then ensure proper coverage of the tile surface to prevent void formation.
- Leave expansion joints of at least 10mm thickness, for every 12 feet in the substrate and in accordance with industry standards.
- Do not cover expansion joints with adhesive, and can be filled with appropriate flexible sealant.
- 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:

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

Where:

- NW is the width of the notch.
- NG is the gap in between the notches.
- NH is the height of the notch.
- θ is the angle of application.

Please use small sample for application evaluation in case of pure white or highly porous stones before going for large scale usage.

Installing the tile

- Clean the stone/tile with water/ dry cloth before installation. Wipe with a clean dry cloth, to ensure there is no bond inhibiting layer of water on the tile.
- 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 90 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.

Note to specifier and installer

- Do not use on wet screed or plaster.
- Surface must be fully cured.
- No primer is required, for fixing even heavier stones on drywall or plywood.
- To prevent any discoloration of highly porous natural stone, treat with under-tile impregnator webersys stoneprotect.
- To get excellent stain resistance on stone, use hydrophobic and oliophobic impregnator webersys stoneseal.
- To get invisible joints between spaced tile and stones, fill with specially formulated weber pearl armor specialty grout.
- To get high aesthetic appeal, fill joints with weber knight armor specialty grout.
- When highly porous 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 weberfix PU.

Grouting

If joints are kept between tiles and stones, then joints to be grouted after 24 hours of application of weberfix PU. To match joint with the color of tile/stone, use weberepoxy easy which is available in 12 most popular shades. Use

weberjoint poxy along with weber joint poxyfill for wider range of shades (available in more than 40 colors). Joints can also be grouted with weber color dewdrop and weber.color fine along with weber groutadd.

Ready for use

Surfaces are ready for use, after 2 days, post completion of grouting, depending upon the type of grout used.

Note - Readiness for use after two days, is based upon grouting done with Weberjoint poxy along with Weber joint poxyfill.

Technical parameters

Physical Color	Off white
Resin	Paste form
Hardener	Liquid form
Chemistry	PU blend with epoxy reaction resin adhesive
Substrate	Cementitious, RCC, plywood, tile on tile, drywall, metal, PVC, rubber, linoleum, epoxy waterproof, PU waterproofed surface, Bitumen surface
Tiles	Ceramic, vitrified, glass mosaic, impregnated stone, engineered stone, natural stone, glass tile, mirror
Application	No spacer required if adequate construction joints are provided as per industry standards Open time and pot life larger format tile & stone fixing advantage in terms of fixing
Pot life	more than 90 mins
Open time	> 60 mins
Adjustability	> 60 mins
Shelf life	12 months
Product classification	R2T

Packaging

10 kg Bucket (Component A : Component B :: 9:1 by weight)

Colour

Part A - Off white thixotropic paste, Part B - Pale yellow liquid.

Coverage

Approx - 4.6 kg/sqm per 3mm of thickness.

Note : Ensure all surfaces are clean, smooth and plum, levelled, free of defects, and without undulations for maximum coverage.

Shelf Life

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

Storage

Store in a cool and dry place

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.

SUBSTRATE TYPE	SUBSTRATES	TILES																	
		Ceramic tiles	Terracotta	Ceramic mosaic	Quarry tile	Vitrified tiles	Glass Mosaics	Glass Mosaic, Glass Tiles & Mirrors	PU Coated Glass	Metal Tiles	Marble Mosaic	Natural Stone	Artificial Stone	Porcelain Tiles	Wooden flooring	Pavers	Brick	Precast terazzo	Insulating and soundproofing panels
Cementitious	Cement-based screeds and mortars	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	cement-based plasters/renders	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Existing floor	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Concrete Masonry	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cement Terrazzo	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Blocks	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Self Levelling Screeds	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drywall	Gypsum board	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Calcium Silicate board	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Bison Panel Board	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Plaster board	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Tile backer board	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fibre Cement board	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cement Backer board	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Engineered Wood	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	MDF	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	MR grade Plywood	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Chipboard	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Others	Brick Masonry	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Gypsum plaster	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Underfloor Heating installation	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Overlaid Timber Floors	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PVC	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tiles	Ceramic tile	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Vitrified tile	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Stone	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Vinyl tiles	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Waterproofing	Mastic Asphalt	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cementitious	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Epoxy	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Polyurethane	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* construction joints shall be built as per industrial standards
 ** not for PU coated glass

Technical standards and performance ISO 13007 & EN 12004

Classification	Property	Requirement	weberfix PU
R2 – Improved adhesives (additional characteristics)	Shear adhesion strength after thermal shock	$\geq 2 \text{ N/mm}^2$	$> 2.2 \text{ N/mm}^2$
T – Slip resistance	Vertical slip resistance	$\leq 0.5 \text{ mm}$	No slip



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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