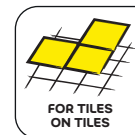


Suitable for dry & wet areas like kitchens, bathrooms, swimming pools, high traffic areas in residential & commercial installations including showroom, multiplexes, shopping malls, hotels & industries.



weberset wonder

Product description

weberset wonder is a highly polymer modified thinset tile and stone fixing adhesive, which is especially formulated for fixing Ceramic tiles, semi-vitreous tiles, vitrified tiles and natural stones. It is suitable for horizontal and vertical application and adhesive can be used in Internal as well as external* conditions, in dry as well as wet areas. Please refer tile/substrate application table for more details.

Features & benefits

- High Bond strength.
- Free flowing product, makes it easier to mix and apply
- Thixotropic formula - no sag, for easy application on wall.
- Low VOC - For healthy living.
- Specially designed adhesive for fixing low thickness natural stones, large tiles, and slabs as per IS 13712: 2006, class III, IIb, IIa and Ia.
- Suitable for tile-on-tile application.
- Useful for bed thickness of 3-12 mm. May go up to 15 mm in limited extent.
- Suitable for internal and exterior* or large format tile/stone, please refer recommendation chart
- Can be used for new construction, as well as for renovation over existing floors/facades.
- Self-curing properties, which allows for no-hassle application, with minimum labor.
- No hacking of substrate required to achieve the required bonding.

Area of application

Refer Tile / Substrate application table for details.

Compliance / Standards

Specially formulated as per the requirements C

(Cementitious) 1 (standard) T (Slip resistant) and of ISO 13007 and EN 12004. Also complies to IS 15477:2019 (Type 2) 'T' and ANSI A118.1.

Limitations

- Do not use on wet screed. Surface must be fully cured.
- Do not use on gypsum plaster or boards, fiber cement boards, or other drywall partitions.
- Do not use for Installing Glass mosaic, glass tiles, or metal tiles. Use only Weberset glass mosaic for fixing glass mosaics, and only Weberfix PU, for fixing glass and metal tiles.
- Do not use for wooden flooring, or for insulating and soundproofing panels.
- Do not use on waterproofing coat, except if done with Webertec SBR or Webertec Crete.
- Do not use for fixing artificial stone or impregnated stone. Use Weberset ultra for the same.

Method of application

Surface preparation

- Clean the substrate of oil stains and bond inhibiting compounds, 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.
- Concrete screeds, renders and block work should be cured sufficiently to avoid with shrinkage cracks.
- Correct the local undulation/damage on the substrate at least 48 hours before the application of Weberset wonder.
- Saturate the surface well and remove excess water before application of Weberset wonder.

Note:-

- In case of higher undulation, a neat coat of Webertec SBR LitX to be applied on the substrate, followed by application of latex modified plaster, to smoothen the surface. (Refer technical datasheet of Webertec 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 10mm thickness, every 10 feet in the substrate. Do not cover expansion joints with adhesive. Ensure the expansion joints are filled only with a suitable flexible sealant, post tiling.

Mixing

- Gradually add 2.5-3 parts of Weberset wonder to 1 part of clean 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, effect the performance of the product.

Application

- Apply the adhesive onto the substrate covering up to 1 m² at a time (or no more than can be tiled within 30 minutes). Unfavourable weather conditions (strong sun, dry wind, high temperatures, 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. In case skin formation is observed, re-freshen the adhesive by re-spreading the adhesive 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 wonder 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 evade voids.
- Ensure adequate gap is kept between subsequent stones/tiles to accommodate for thermal expansion and contraction.

Note:- The size of the notch trowel and the angle of application will determine the bed thickness as per the following formula:

$$\text{Bed thickness} = \frac{N_w \times N_H \times \sin \theta}{(N_G + N_w)}$$

- Where:
- N_w is the width of the notch.
- N_G is the gap between the notches.
- N_H is the height of the notch, and
- θ is the angle of application.

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 30 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

Tile/Substrate application table

SUBSTRATES	TILE SUBSTRATES	Ceramic tiles	Terracotta	Ceramic mosaic	Quarry tile	Vitrified tiles	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 terazzo	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Block	✓		✓	✓	✓	✓	✓	✓	✓	◇	✗	✗
Self levelling screeds	✓		✓	✓	✓	✓	✓	✓	✓	◇	✓	✓
Others	Brick masonry	✓	✓	✓	✓	✓	✓	✓	✓	◇	◇	◇
Tiles	Ceramic tile	✓◇	✓◇	!◇	✓◇	✓	◇!	◇	◇	✓◇	◇	◇
	Vitrified tile	✓◇	✗	!◇	✗	✗	◇!	✗	◇	✓	◇	◇
	Stone*	✗	✗	!◇	◇	✗	◇	◇	◇	◇	◇	◇

◇ Floor only ! Without plastic mesh

*for all exterior area or large tiles/stone fixing, mix Webertec SBR with Weberset wonder, for more detail consult with weber technical expert team.

All above indication is for regular sized tiles and stones. Please contact Weber Tech support for large format tiles and stones.

Note to specifier

- Use Weber primer 401, corner treatment with Stick-on tape and two component Weber Waterseal 321 for comprehensive waterproofing, before application of Weberset firm, where required.
- In case of highly dusty or porous substrate, apply 1 coat of Weber primer 401.
- To prevent any discoloration of natural stone, treat with under-tile impregnator Weber Stone Protect
- To get excellent stain resistance on stone,

use hydrophobic and oleophobic impregnator Weber Stoneseal.

- To match joint with the color of tile/stone, use Weberjoint poxy along with Weberjoint poxyfill, Weberepox easy available in varieties of 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.

Grouting and sealing

Joints to be grouted after 24 hours of application of Weberset wonder using Weberjoint poxy. It can also be grouted with Weber.color dewdrop along with Weber groutadd. In case of low humidity, high temperature, and even application of 3 mm bed thickness, can also be grouted within 4-8 hours.

Product details

Physical state	Powder
Colour	Grey
Bulk density	1.35 - 1.45 gm/cc
Mix density	1.80 - 1.85 gm/cc
Mixing ratio (powder to water)	2.5 - 3:1 by volume
Pot life	2-3 hours
Open time	25 mins
Adjustability time	20 mins
Ready for grouting on walls	24 hours
Ready for grouting on floors	24 hours
Set to light foot traffic	220 mins
Ready to use	14 days

Ready for use

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

Coverage

Approximately 1.35 - 1.45 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.

Packaging

20 kg double layered BOPP bags and 40 kg liner polypropylene bags for maximum moisture protection, and enhanced shelf life.

Shelf life

12 months from month and year of manufacturing, for unopened bags, 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 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.

Technical standards and performance

ISO 13007 and EN 12004

Classification	Property	Requirement	weberset wonder
C1 – Normal cementitious adhesives (fundamental characteristics)	Tensile adhesion strength	≥ 0.5 N/mm ²	0.87 N/mm ²
	Tensile adhesion strength after water immersion	≥ 0.5 N/mm ²	0.65 N/mm ²
	Tensile adhesion strength after heat ageing	≥ 0.5 N/mm ²	0.60 N/mm ²
	Tensile adhesion strength after freeze-thaw cycle	≥ 0.5 N/mm ²	N/A
T - Slip resistance	Slip	≤ 0.5 mm	No slip

ANSI A118.1

Condition	Property	Requirement	weberset wonder
Glazed tile shear strength	7 day dry	≥ 200 psi (1.38 N/mm ²)	1.89 N/mm ²
	7 day water immersion	≥ 150 psi (1.03 N/mm ²)	1.46 N/mm ²
Impervious mosaic (Porcelain) tile shear strength	1 day	≥ 50 psi (0.34 N/mm ²)	0.42 N/mm ²
	7 day dry	≥ 150 psi (1.03 N/mm ²)	1.21 N/mm ²
	28 day dry	≥ 150 psi (1.03 N/mm ²)	1.74 N/mm ²
	7 day water immersion	≥ 100 psi (0.69 N/mm ²)	1.18 N/mm ²
	12 weeks	≥ 150 psi (1.03 N/mm ²)	1.78 N/mm ²

Note:- Test results are indicative as per testing method specified in standard. Test results may vary as per depending upon site condition, substrate & testing machine etc. Actual performance will depend on installation methods and site conditions.



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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