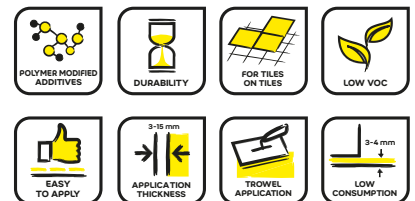




**Adhesive for
low porosity tiles
on floor
weber
classic**



Suitable for tile-on-tile application of vitrified tiles on ceramic tile floors.



Product description

Weberset classic is a high polymer modified thinset tile adhesive, specially formulated for fixing low porosity vitrified tiles on the floor in internal areas. The adhesive can be used for fixing ceramic tiles on wall and floor and is suitable for dry as well as wet areas for internal application. This is also suitable for tile-on-tile application for fixing vitrified tiles on pre-existing ceramic tile floors. *Please refer tile/substrate sheet for more details.*

Features & benefits

- High Bond strength.
- Free-flowing product makes it easier to mix and apply, easy-to-use.
- Useful for bed thickness of 3-15* mm. May go upto 15 mm in a limited extent for wall & floor application.
- Thixotropic formula - no sag, for the easy application on the wall.
- Low VOC – For a healthy living.
- For installation of vitrified tiles on the floor.
- Suitable for internal use only.
- Suitable for Tile-on-tile application of vitrified tiles on pre-existing ceramic tile floors.
- Self-curing properties, which allows for no-hassle application, with minimum labor.
- No hacking of the substrate required to achieve the required bonding.

Area of application

Refer Tile/Substrate sheet for details

Compliance / Standards

Specially formulated as per the requirements C (Cementitious) 1 (standard) T (Slip resistant) and E(Extended open time) of ISO 45001 and EN 12004. Also complies to IS 15477:2004 (Type 1) and ANSI A118.1.

Limitations

- Do not use for large format tiles.
- Do not use in external areas, or areas exposed to direct sunlight.
- Do not use for fixing vitrified tiles on walls.
- Do not use for fixing stones.
- Do not use on the wet screed. The surface must be fully cured.
- Do not use for installing glass mosaic, glass tiles, or metal tiles. Use only weberset glass mosaic for fixing glass mosaics, and only weber epoxy adhesive for fixing glass and metal tiles.
- Do not use for wooden flooring, for insulating and soundproofing panels.
- Do not use on waterproofing coat - If waterproofing is required, use webertec SBR and webertec crete for the same. Refer to the respective datasheets for details.

Method of application

Preparing the substrate

- Clean the substrate of oil stains and bond inhibiting compounds, dirt, dust, and laitance, if any, use high-pressure water jet or any other suitable method for cleaning.
- Ensure that the substrate is flat, stable, well adhered, and has a normal absorption.
- The substrate should be cured sufficiently to avoid the shrinkage cracks.
- Correct the local undulation/damage on the substrate at least 48 hours before the application of weberset classic.
- Saturate the surface thoroughly and remove excess water before the application of weberset classic.

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. (For further details kindly refer to the technical datasheet of webertec SBR LitX)*

- 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 at least 10 mm thickness, every 20 feet in the substrate. Do not cover expansion joints with adhesive, and can be filled with an appropriate flexible sealant.

Preparing the mix

- Gradually add 3 parts of weberset classic 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 min 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 1/2 m² at a time (or no more than can be tiled within 10 min). Unfavorable 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. 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 classic 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.

- 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 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 in between the notches,
 N_H is the Height of the notch, and
 θ is the angle of application

Tiles Installation

- 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 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 15 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 atleast 24 hours before grouting.

Note to specifier

- In case of the highly dusty or porous substrate, apply 1 coat of weber primer 401.
- To match joint with the color of tile/stone, use weber epoxy systems (weber.joint poxy + weber.joint poxyfill) which is available in more than 40 colors.
- To get high aesthetic appeal, fill joints with Weber Knight Armor™ specialty grout.

Grouting and sealing

The joints to be grouted after 24 hours of application of weberset classic using weber epoxy systems (weber.joint poxy + weber.joint poxyfill). Can be grouted with weber.color dewdrop + weber groutadd. In case of low humidity, high temperature, and application of 3 mm bed thickness it can be grouted after 4-8 hours.

Ready for use

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

Product details

Physical state	Powder
Colour	Grey
Bulk Density	1.45 to 1.50 gm/cc
Mix Density	1.80 to 1.85 gm/cc
Mixing Ratio (powder to water)	3 : 1 by volume
Pot life	2 hours 30 minutes
Open time	10 min
Adjustability time	15 min
Ready for grouting on walls	24 hours
Ready for grouting on floor	24 hours
Set to light foot traffic	220 min
Ready for use	14 days

* Tested at standard lab conditions.

Coverage

Approximately 1.45 – 1.50 Kg/sq. m per mm of thickness

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

Packaging

20 kg and 5 kg double layered BOPP bags and 40 kg Polypropylene bags for maximum moisture protection and enhanced shelf life.

Shelf life

1 year 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 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.

Tile/Substrate application table

SUBSTRATE TYPE	SUBSTRATES	ceramic tiles	Terracotta	ceramic mosaic	Quarry tile	Vitrified tiles	Marble Mosaic	Natural Stone	Porcelain Tiles	Precast terazzo
Cementitious (wall & floor)	Cement-based screeds and mortars	✓	✓	✓	✓	✓	✓	✗	✓	✓
	Cement-based plasters/renders	✓	✓	✓	✓	✗	✗	✗	✗	✗
	Existing floor	✓	✓	✓	✓	✓	✓	✗	✓	✗
	Concrete Masonry	✓	✓	✓	✓	✗	✗	✗	✗	✗
	Cement Terrazzo	✓	✓	✓	✓	✓	✗	✗	✓	✓
	Blocks	✓	✓	✓	✓	✗	✗	✗	✗	✗
	Self Levelling Screeds	✓	✓	✓	✓	✓	✗	✗	✓	✓
Others	Brick Masonry	✓	✓	✓	✓	✗	✗	✗	✗	✗
	Ceramic tile	◆	◆	◆■	◆	◆	✗	✗	◆	◆
	Vitrified tile	✗	✗	✗	✗	✗	✗	✗	✗	✗
	Stone	✗	✗	✗	✗	✗	✗	✗	✗	✗

◆ Floor only

■ Without plastic mesh

Technical standards and performance

ISO 13007 and EN 12004

Classification	Property	Requirement	weberset classic
C1 – Normal cementitious adhesives (fundamental characteristics)	Tensile adhesion strength	≥ 0.5 N/mm ²	0.68 N/mm ²
	Tensile adhesion strength after water immersion	≥ 0.5 N/mm ²	0.6 N/mm ²
	Tensile adhesion strength after heat ageing	≥ 0.5 N/mm ²	0.58 N/mm ²
	Tensile adhesion strength after freeze-thaw cycle	≥ 0.5 N/mm ²	N/A
	Open time: tensile adhesion strength	≥ 0,5 N/mm ² After not less than 20 min	0.52 N/mm ²
T - Slip resistance	Slip	≥ 0.5 mm	No Slip
E - Extended open time	Extended open time: tensile adhesion strength	≥ 0,5 N/mm ² after not less than 30 min	0.55 N/mm ²

ANSI A118.1

Condition	Property	Requirement	weberset classic
Glazed Tile Shear Strength	7 day dry	≥ 200 psi (1.38 N/mm ²)	1.66 N/mm ²
	7 day water immersion	≥ 150 psi (1.03 N/mm ²)	1.24 N/mm ²
Impervious Mosaic (Porcelain) Tile Shear Strength	1 day	≥ 50 psi (0.34 N/mm ²)	0.39 N/mm ²
	7 day dry	≥ 150 psi (1.03 N/mm ²)	1.13 N/mm ²
	28 day dry	≥ 150 psi (1.03 N/mm ²)	1.25 N/mm ²
	7 day water immersion	≥ 100 psi (0.69 N/mm ²)	0.93 N/mm ²
	12 weeks	≥ 150 psi (1.03 N/mm ²)	1.42 N/mm ²

IS 15477 : 2004

Type	Property	Requirement	weberset classic
Type 1 Adhesive: based on fixing tiles of apparent porosity greater than 3 %	Tensile adhesion strength : Dry Conditions 14 days	0.75 kN	0.89 kN
	Tensile adhesion strength : Wet Conditions (7 days dry + 7 days water immersed)	0.45 kN	0.59 kN
	Shear Adhesion Strength : Dry Condition 24 hrs	2.5 kN	3.95 kN
	Shear Adhesion Strength : Dry Condition 14 days	8 kN	11 kN
	Shear Adhesion Strength : Heat Aging Conditions	4 kN	5.72 kN
	Shear Adhesion Strength : Wet Conditions	4 kN	5.14 kN

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