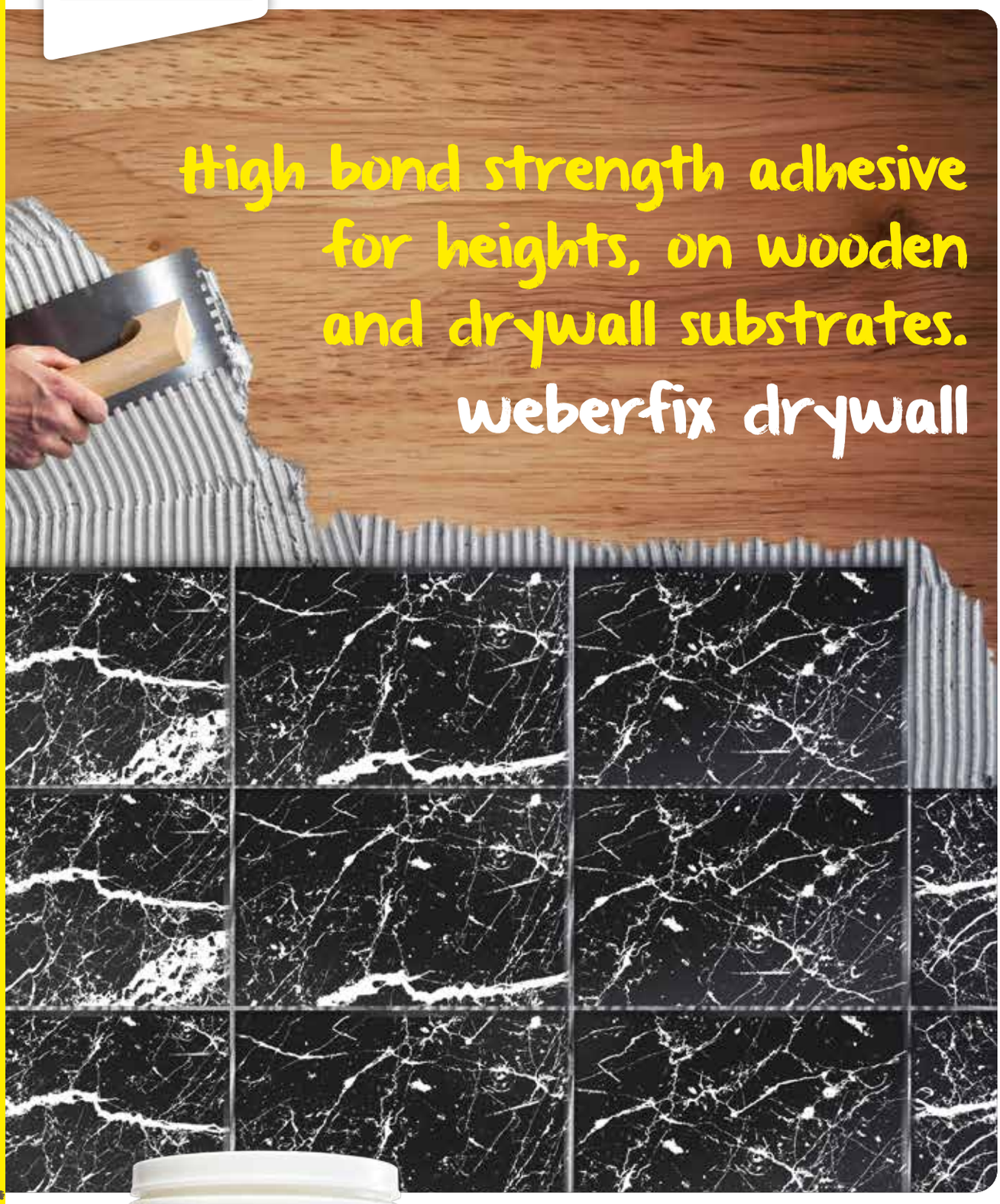
weber
SAINT-GOBAIN

# High bond strength adhesive for heights, on wooden and drywall substrates.

## weberfix drywall



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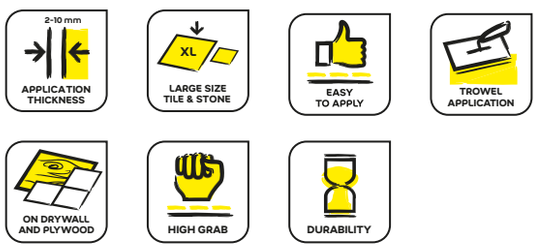
**Specially formulated adhesive For all type of stones/tiles including moisture sensitive marble and agglomerates.**

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## Product Description

Weberfix drywall is a 2 component high performance tile and stone adhesive, which can be used for almost all types of tiles*, over almost all types of substrates including green and moisture sensitive marble & agglomerates. Weberfix drywall is specially formulated, for fixing large format tiles & stones on drywalls and plywood.

## Features & Benefits

- Moisture free system : Does not damage wooden sustrates or tiles, and water sensitive stone.
- Very High Bond strength
- 2 Component adhesive : prevents wastage, as only quantity which is required has to be mixed.
- Easy to use
- Fast Setting
- Can do cladding upto 50 ft. height, without any support bracket*.
- Under tile treatment of stone (to prevent discoloration) is not required.
- Can be used for fixing moisture sensitive stones, like green marble.
- Reaction bases system, and thus not harshly affected by temperature & humidity.
- Can be used on touch dry surface of concrete. Do not need to wait for substrate to get completely dry.

## Area of application

Refer to tile/substrate application table for detailed list of tiles/stones and substrate, weberfix drywall can be used for.

## Applicable standards

ISO 13007 and EN 12004. Exceeds requirements of C2TFS2P2 and D2TA.

## Limitations

- For large and heavy stones, initial support required for atleast 5 hours for vertical application
- Not for fixing Metal or glass tiles. Use Weber bond poxy for fixing metal and glass tiles.

## Method of application

**Surface Preparation**

***For Cementitious substrate, waterproofing and tiles:***

- Surfaces should be within 5 $^{0}$C to 35 $^{0}$C (at higher temperature material will set faster. To bring down the temperature saturate with water.)
- Substrate should be structurally sound, clean and free of all bond inhibiting compounds, like dirt, oil, grease, paint, sealers, curing compounds, laitance etc. Rough or unever concrete surfaces should be made smooth and allowed to cure. While dirt can be cleaned with just water, surfactants may be required for oil, grease etc.
- Excess water should be drained, and the surface should be brought to touch dry condition.

***For Drywalls and other substrates:***

- Only dry cleaning is recommended for such substrates. Use a wirebrush if required, to remove any bond inhibiting compound.

**Mixing :**

- Please ensure use of proper personal protective equipment (PPE) before handling the product.
- Take 3 parts component A, and 1 part component B, by weight (9:4 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 10-15 mins.
- Wash tool immediately with water, after use, and before the adhesive hardens.
- No water to be added to the mix.

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## Technical Standards and performance

| As per ISO 13007 | | C2TFS2P2 | D2AT | Weberfix Drywall |
|---|---|---|---|---|
| C2 | Tensile adhesion strength | ≥ 1.0 N/mm² | | 2.14 N/mm² |
| | Tensile adhesion strength after water immersion | ≥ 1.0 N/mm² | | 1.89 N/mm² |
| | Tensile adhesion strength after heat ageing | ≥ 1.0 N/mm² | | 1.84 N/mm² |
| | Tensile adhesion strength after freeze-thaw cycle | ≥ 1.0 N/mm² | | N/A |
| D2 | Shear Adhesion Strength | | ≥ 1.0 N/mm² | 1.78 N/mm² |
| | Shear Adhesion strength after heat ageing | | ≥ 1.0 N/mm² | 1.69 N/mm² |
| | Open time: tensile adhesion strength | | ≥ 0,5 N/mm² After not less than 20 min | N/A |
| | Shear adhesion strength after 21 days' air cure, 7 days' water immersion | | ≥ 0,5 N/mm² | 1.64 N/mm² |
| | Shear adhesion strength at elevated temperature | | ≥ 1.0 N/mm² | 1.14 N/mm² |
| A | Shear adhesion strength after 7 days' air cure, 7 days' water immersion | | ≥ 0,5 N/mm² | 1.42 N/mm² |
| | Shear adhesion strength at elevated temperature | | ≥ 1.0 N/mm² | 1.29 N/mm² |
| T | Slip | ≤ 0,5 mm | | No slip |
| F | Tensile adhesion strength | ≥ 0,5 N/mm² after no more than 6 h | | 0.52 N/mm² |
| | Open time: tensile adhesion strength | ≥ 0,5 N/mm² after not less than 10 min | | 0.89 N/mm² |
| S2 | Highly deformable adhesives (S2) | ≥ 5 mm | | 5.5 mm |
| P2 | Improved exterior glue plywood adhesion (P2) | ≥ 1.0 N/mm² | | 1.45 N/mm² |

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**Applying the mix**

- Apply the adhesive onto the substrate covering up to 1 m² at a time (or no more than can be tiled within 15 minutes). Unfavorable weather conditions (strong sun, high temperatures, etc.) can reduce the open time drastically. 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 drywall 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.
- 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 in between the notches,
$N_H$ is the Height of the notch, and
$\theta$ is the angle of application

**Installing the tiles**

- Clean the stone/tile with water 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 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 at least 10 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 2 day before grouting and then a further 2 days before filling.

## Note to specifier

- No primer is required, for fixing even heavier stones on drywall or plywood.
- Use Weber primer 401™, corner treatment with Stickon™ tape and two component Weber Waterseal 321™ for comprehensive waterproofing, before application of Weberfix drywall, where required.
- In case of porous substrate, saturate with water and let the substrate dry, to a touch-dry condition, before use.
- Also prevents tile or stone discoloration, however impregnated or sealed stone can be easily fixed with Weberfix drywall.
- To get excellent stain resistance on stone, use hydrophobic and oliophobic impregnator Weber 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.

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## Tile/Substrate application table

| SUBSTRATE TYPE | SUBSTRATES \ TILES | ceramic tiles | Terracotta | ceramic mosaic | Quarry tile | Vitrified tiles | Glass Mosaics | Glass tiles | 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 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tiles | Ceramic tile | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Vitrified tile | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Stone | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Vinyl tiles | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Waterproofing | Mastic Asphalt | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Cementitious | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Epoxy | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Polyurethrane | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | × | × | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

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## Grouting and sealing

Joints to be grouted after 10 hours of application of Weberfix drywall™ using Weberjoint poxy™. It can also be grouted with Weber.colordewdrop™ along with Weber groutadd™. In case of high temperature, and even application of 3mm bed thickness, can also be grouted within 3-6 hours.

## Ready for use

Surfaces are ready for use, after 2 days, post completion of grouting, depending upon the quality of Grout use.

NOTE : Readiness for use after two days, is based upon grouting done with Weberjoint poxy along with Weber joint poxyfill

## Product Details

| | |
|---|---|
| Physical state | Paste ( Component A and Component B) |
| Colour | Component A-White ; Component B-Pale yellow |
| Mix Density | 1.6 to 1.65 gm/cc |
| Mixing Ratio | 3 parts Component A with 1 parts Component B by weight<br>9 parts Component A with 4 parts Component B by volume |
| Pot life | 15 mins |
| Open time | 15 mins |
| Adjustability time | 15 mins |
| Ready for grouting on walls | 10 hours |
| Ready for grouting on floor | 10 hours |
| Set to light foot traffic | 60-120 mins |
| Ready for use | 2 days after grouting |
| Temperature Resistance | -5 to 100 $^{0}$C |

## Coverage

Approximately 1.62 Kg/sq. m per mm of bed thickness

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

## Packaging

Component A : 15 Kg Bucket
Component B : 5 Kg Bucket

## Shelf Life

9 months from the month and year of manufacturing, when stored in cool dry conditions. Avoid direct heat.

## 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.

*Ensure that the correct quantities of individual components are taken and mixed adequately before application, and 100% transfer of adhesive is achieved on Stone/tile and substrate.

## 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.

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