

DESCRIPTION

Low Dust, high performance, grey coloured, water resistant, "Single Component Flexible", latex fortified (with Additives) cement-based, thin or thick bed adhesive.

USAGE

Suitable for fixing Ceramic Wall & Floor Tiles, Vitrified Homogeneous Tiles, Porcelain Tiles, Mosaics, Quarry Tiles, Terracotta, Marbles, Granites, Slates, Terrazzo, Brick Veneer, Decorative Stones etc., to wall & floor, dry or wet, interior or exterior areas including swimming pools.

GENERAL PERFORMANCE

weberset x'tra flex (LD) is fortified with additives. Requires mixing with Clean Water only; therefore eliminate use of expensive Latex Admixture and allows for easier on-site mixing. More economical & user friendly compared to conventional two-component adhesive system. Belcem weberset x'tra flex (LD) offers improved adhesion strength, flexural strength (deformable), durability, reduce water permeability, improved workability, extended open time, slip resistance (highly thixotropic) and better transfers; compared to basic cement-based adhesive.

It is specially formulated for the installation of Vitrified Homogeneous Tiles or Porcelain Tiles (or other tiles / mosaics) & Marble or Granite Slabs with low water absorption rate (i.e. < 0.5%) and for installation onto demanding substrate (See Application).

The set adhesive is water resistant but not impervious to water. weberset x'tra flex (LD) is a thin or thick adhesive used normally at 3 - 6mm bed thickness, but up to 12mm for small isolated, uneven areas of limited extent.

Although in most cases it requires mixing with water only; there are special conditions where Latex Admixture (i.e. webermix admix I, webermix admix plus, webermix multibond plus etc.) must be used with weberset x'tra flex (LD), to further enhance the physical properties of the set adhesive.



Not recommended for use on skim-coat plaster, paint and metal.

APPLICATION (SUBSTRATE)

weberset x'tra flex (LD) can be used on the following substrate or condition :

- **Concrete** – Must be aged for 6 weeks. Direct fixing onto sound concrete may be taken provided the surface is flat or true, well cured and free of contamination. Surface primer may be required for direct fixing
- **Brick Wall** – Must be aged for 4 weeks and leveled with Cement-Sand Mortar (Render) prior to fixing tiles.
- **Light-Weight Hollow Blocks** – Must be aged for 4 weeks and leveled with Cement-Sand Mortar (Render) prior to fixing tiles.
- **Cement-Sand Render or Screed** – Allow new cement-sand render or screed to cure for 2 - 3 weeks, before fixing tiles. The rendering or screeding mortar mix should ideally be 1 part cement : 3 - 4 parts of sand by volume. Mix weberset x'tra flex (LD) with Water.
- **Autoclaved Aerated Concrete Blocks (AAC)** – Must be aged for 4 weeks and leveled with Cement-Sand Mortar (i.e. weberwall AAC render) prior to fixing tiles. Direct tiling on flat surface can be conducted using weberset x'tra flex (LD) + Water. Prime surface of AAC Blocks with weberprim AAC primer; prior to direct tiling.

TECHNICAL DATA

| | | |
|--|--|---|
| Colour | : Grey |  |
| Specific Gravity | : Approx. 1.70 | |
| pH | : Approx. 12 | |
| Dry Solid Content | : 100% | |
| Shelf Life | : 6 months | |
| Inflammability | : No | |
| Toxicity Hazard | : No | |
| Bed Thickness | : 3–6 mm | |
| Mix Proportion | : 1 pbw water to approx. 3 pbw adhesive powder (6 – 7 ltrs Water or Latex Admixture to 25 kg weberset x'tra flex (LD)) | |
| Application Mode | : Thin Bed Solid Bed Notched Trowel. | |
| Adjustability Time | : Approx. 20 minutes - May vary depending on porosity of substrate. | |
| Working Time (Pot Life) | : Approx. 2 hours at 30°C | |
| Open Time (To ISO 13007-2) | : Approx. 30 minutes at 30°C on Cement-Sand Render/Screed (Interior Condition) | |
| | : Approx. 20 minutes at 30°C on Cement-Sand Render/Screed (Exterior Condition) | |
| | : (May vary depending on porosity of substrate & atmospheric condition) | |
| Setting Time | : Initial Set = Approx. 10 hours | |
| Application Temperature | : Above 5°C and at ambient temperature | |
| Temperature Resistance | : 100°C |  |
| Frost Resistance | : -5°C | |
| Resistance to acids | : Poor | |
| Resistance to alkalis | : Excellent | |
| Resistance to oil & solvents | : Fair | |
| Damp Resistance | : Excellent | |
| Flexibility (Deformability) (To EN ISO 13007-2 Clause 4.5) | : S1- Deformable | |
| Tensile Adhesion Strength (To EN ISO 13007-2 Clause 4.4) | : | |
| After 28 Days Air Cure | : 2.20 - 2.60 N/mm ² | |
| After Heat Aging | : 1.80 - 2.00 N/mm ² | |
| After Water Immersion | : 1.50 - 1.80 N/mm ² | |
| Flexural Strength | : 6.50 N/mm ² | |
| Compressive Strength | : 14 - 16 N/mm ² | |
| Classification under ISO 13007-1 & BS 1348 : C2 TE S1 Adhesive | | |



- **Existing Tiles / Marbles / Terrazzo** – Existing surface must be dry, sound & free of contaminants. Hollow sections should be removed and made good before direct fixing with weberset x'tra flex (LD) + webermix admix plus.
- **Existing Vinyl Tiles** – Existing Vinyl Tile surface must be dry, sound & free of contaminants. Prime surface with webermix SBR before direct fixing with weberset x'tra flex (LD) + webermix admix plus.
- **Building Boards** – Building Boards such as plywood, cement-fiber board, chipboard etc. must be adequately braced to provide a sound / rigid substrate. Prime surface with webermix SBR, before direct fixing with weberset x'tra flex (LD) + webermix admix plus.
- **Timber Floors** – It must be strong, rigid (free of vibration or movement) & strengthened by overlaying it with a 12mm thick marine plywood, screw fixed at 300mm centers to the joists. Installation system for tiles, similar to "Building Boards".

Note :

- Not suitable for use on substrates subjected to strong shrinkage, movement or vibration or to install moisture sensitive materials.
- Where greater flexural strength is required employ the use of a two-component adhesive system (i.e. Cement-Based Adhesive + Latex Admixture)

INSTALLATION PROCEDURE

- Substrate must be dry, sound, flat / true & free of contaminants, e.g. dust, grease, laitance, mould release oil etc.
- Ceramic Tiles are to be fixed dry. Do not soak in water.
- Mix weberset x'tra flex (LD) with water (or Latex Admixture) as per the recommended mix ratio. Mechanical mixing is recommended.
- Spread adhesive to the substrate at bed thickness of 3 - 6mm (may vary depending on tile size & thickness) with suitable notched trowel.
- Spread no more than 1 m² at a time to avoid Skin-Over. Open Time of spread adhesive is approx. 30 minutes (at 30°C and on Cement-Sand Render / Screed at interior location). May vary depending on porosity of substrate.
- Promptly fix tiles onto adhesive bed, followed by slight twisting action to ensure good transfer and contact, i.e. Solid Bed Fixing.
- Lift tiles occasionally to check that adequate transfer and contact is achieved between the adhesive bed and the tile back.
- Touch adhesive bed periodically to check for Skin-Over. Where adhesive bed is no longer tacky / sticky, Skin-Over had occurred. Re-Trowel adhesive bed.
- Allocate joints of approx. 3mm wide between tiles.
- Remove surplus adhesive from tile surface & joints before it hardens.
- Allow to set for 24 hours; before grouting commences.
- Do not use adhesive in temperatures lower than 5°C or in damp condition.

Note :

It is the responsibility of users / applicators to determine condition & suitability of all surfaces; prior to actual application.

GROUTING

Grouting of tile joints should only commence at least 24 hours after completion of tiling or until adhesive had set. Setting may be delayed on dense or impervious surfaces. Use SAINT GOBAIN WEBER MALAYSIA Grouting materials.

COVERAGE

May vary dependant on nature and flatness of surface :

At 3mm trowel bed thickness is approx. 3kg / m²

At 6mm trowel bed thickness is approx. 6kg / m²

PACKING

Available in 25kg bag.

SHELF LIFE / STORAGE

At least 6 months; when stored in dry conditions of normal ambient temperature.

MOVEMENT JOINTS

Must be incorporated where necessary and in accordance with general principles incorporated within the BS 5385 : Part 1 – 5 :

- Over the existing structural joints.
- Where tiling abuts other materials.
- At junctions between different background materials, where tiling is continuous across them.
- In large areas of floor tiling, at 3 - 4.5m centers vertically & horizontally and at the floor perimeter. For wall tiling at storey heights, 3 - 4.5m vertically & at internal vertical corners.
- Around fix structure, i.e. column or fix machinery etc.
- Where stresses are likely to be concentrated, i.e. change in wall or floor alignment.

TECHNICAL SERVICES

For further details or recommendation please contact our Technical Advisory/Specification Center at 603-6038 9498 (Sel) or 604-626 2830 (Penang).

PRECAUTION

Avoid inhaling dust. If material in contact with eyes, wash out immediately with clean water. May cause minor skin irritation; therefore use suitable gloves. Keep out of children reach.

Conditions Of Sales

Sold subject to Company's Condition of Sale, which is available upon request.

Note :

All instruction and information are provided by us for the general guidance only and are believed to be accurate and complete. Users must exercise special care and caution depending on the conditions and particular purpose of usage and are responsible to ensure that they have consulted our latest literature. To the maximum extent allowed by law, Saint-Gobain Weber (M) Sdn Bhd, its representatives, agents or distributors shall be under no liability for any loss of profits and other economic or physical losses.

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Member Of :

- FMM, Malaysia
- MCIG, Malaysia
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- SIRIM Working Group - MS1294 & MS1295

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