



Wall Tile

TECHNICAL DATA SHEET

In Compliance With European Norms (EN) & Indian Standards (IS)

Wall Tile

Wall Tile is an Eco friendly, polymer modified, light weight, based on high quality mineral, ready to use adhesive for fixing of all kind of absorbent ceramic, porcelain, glazed and other tiles. Suitable for internal & external areas.

MAIN APPLICATION

Adhesive for fixing of all type of absorbent ceramic & porcelain tiles.

TECHNICAL ADVANTAGES

- Guaranteed fixing for all types and sizes of absorbent ceramic tiles and mosaics.
- Absorbent porcelain tiles of big sizes on walls can be fixed with ease in areas such as bathrooms, lobbies etc.
- Exceed strength of class C1 T, Type 1 Adhesive as per European & IS Norms
- Semi-tixo properties for ease of application with absorbent tiles on floor and wall.
- Polymer modified for improved working.
- High speed of work with ease of application.
- No water curing required.
- High coverages with minimum thickness of 3 mm. and maximum upto 10mm.
- Very low VOC and suitable for green building.

SUITABLE AREAS

- Internal and external wall and floor.
- Residential & commercial buildings.



In Compliance
With EN & IS

EN - C1 T
IS - Type 1



Wall Tile

SUITABLE SURFACES

- Fully dry and sounds like new or old traditional plaster.
- Absorbent IPS or PCC floors which are sound and stable.
- Absorbent concrete.

SUITABLE COVERING MATERIAL

- All kind of absorbent ceramic & porcelain tiles.
- Large format absorbent tiles on wall.
- For Large Vitrified Tiles Upto to 4 Sq Ft.

PRODUCT NOT TO BE USED

- On non-absorbent concrete surfaces
- On metal, wood, rubber and on cement board.
- To fix stones of all kinds which are sensitive to moisture.
- To fix stones that are soft and brittle in nature.
- To fix recomposed stone.
- Over-expansion joint or in an area with extreme movement in the structure.
- More than 10 mm. and less than 3 mm. of thickness.

TOOLS FOR APPLICATION

- Electric low-speed mixing stirrer.
- Walkley notch trowel of 6x6 mm. size & 10x10 mm.
- Auto spirit level
- Other mixing and finishing tools such as mixing trowel, bucket, brush, broom, measuring tape etc.



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TOOLS CLEANING

While still the material is fresh, all the tools can be cleaned with normal water. Once material is hardened, the material can be removed only by mechanical means.

SURFACE PREPARATION

- Ensure that the plaster/screed surface is sound, clean and free from any Debonding agent such as oil, grease, dust etc.
- If the surface is uneven by more than 10 mm. then first do the levelling by using the correct levelling material in order to avoid using the excess thickness of adhesive or apply a first thin coat of the same adhesive to level the surface and wait for 24 hours.
- Onto dry clean surface, splash enough water and let it surface dry to improve the workability of the adhesive.
- In case working in an external environment, avoid direct sun exposure to the surface and to the finishing material. Let cool the surface before starting the application. A hot surface may compromise final performance. If the surface area is larger, provide a movement joint with every 3 meters.

MIXING

- Mix Walkkley Wall Tile 20 kg. grey bag with approx. 5.25 lt. and white with 5.5 lt. of clean water. Use a slow-speed electric stirrer to have the desired results. Manual mixing can compromise the performance of the adhesive.
- Adjust the water quantity as per ambient temperature and dryness of surface. The final mix must be a workable paste.



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HOW TO APPLY

- Spread the adhesive in desire thickness from 3 to 10 mm. onto cement surface using proper notch trowel.
- Once adhesive is applied, fix the tiles or stone onto adhesive before skin formation and press firmly. In case tiles or stone are of big size, also apply the adhesive layer at the back of tiles.
- Leave the space between tiles to have proper grouting and to accommodate surface movement.
- Leave the tiles for 24 hours to bond well and then follow the grouting process.

PRODUCT & WORKING DATA

Product Appearance : Grey and white colour Powder

Packing : 20 Kg. and 40 kg. Bag

Shelf Life : 12 months from the date of manufacturing

Water Ratio : Approx. 5.25 lt. for grey and 5.5 lt. for white per 20 kg. bag

Pot life : > 2 hours

Thickness : Minimum 3 to 10 mm.

Open Time : ≥ 30 minute

Adjustability : ≥ 30 minute

Initial Setting : 6 to 8 hours.

Final Setting : 24 hours.

Walking on Floor : After 24 hours.

Grouting : After 24 hours.

Normal Use of Surface : After 2 weeks.

Full Strength of Adhesive : At 28 days.

Coverage : Approx. 60 sq. ft. / bag of 20 kg. Using 3 mm. thick or 1.2 kg./ m2 / mm.

Application temperature : + 5° C. to + 35° C.

(Data @ 23° C. & 50% humidity).



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TECHNICAL PERFORMANCES

In Compliance With EN 12004: EN C1 T Standard for Type 1		
Tensile Adhesion	≥ 1.0 N / mm ²	As per EN 1348
Adhesion After Heat Cycle	≥ 0.65 N / mm ²	As per EN 1348
Adhesion After Water Immersion	≥ 0.8 N / mm ²	As per EN 1348
Adhesion after freeze / thaw cycle	≥ 0.64 N / mm ²	As per EN 1348

(Final results @ 28 days. 23° C. & 50% humidity)

In Compliance With IS 15477-2019: for Type 1	
Tensile Adhesion (Dry condition)	≥ 1 N/mm ²
Sheer Adhesion (Dry Condition)	≥ 1.25 N/mm ²

(Final results @ 28 days. 27° C. & 65% humidity)

- Final resistance to temperature after 28 days or full cure: - 30 to + 80° C.
- The final results may vary based on temperature and humidity. Freeze-thaw cycles have different curing cycles.

WALLKLEY EXCLUSIVE TECHNOLOGY



Wall Tile

GENERAL INSTRUCTIONS

- Once bags are open, entire material must be consumed within 24 hours. Store the bags in safe environment.
- In case of very weak cement surface, please ensure that proper strength or correction are done before use of adhesive.
- If temperature is more than 35° C., than avoid using the products under direct sun.
- In case temperature is cold and below 5° C., the initial and final setting may affect.
- Expansion & connection joint must be followed of concrete and all other elements of concrete structure.
- For any structure related issue, follow local code and appropriate consultant guidelines.
- In case the performance of Walkley products not as per technical data mentioned, please call Walkley Technical helpline.

WALLKLEY QUALITY & SAFETY ASSURANCE

Walkley's range of products are most eco-friendly and suitable to use in all kinds of buildings including green buildings. Apart from using the best international raw material for the best performance, Walkley procures the major raw material locally to safeguard the environment. For more detail refer material safety data sheet.



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Recycled Raw
Material



Suitable For All Kind of
Green / Normal Buildings



100% Suitable To
Recycle After Expiry

DECLARATION

All the above information and results are provided based on Walkley internal quality test. Customers must check before using the product about performance and final expected results. Walkley cannot be held responsible for any damage of whatsoever nature at the site.

TECHNICAL HELP

Walkley Industries Private Limited

CIN : U42901PN2023PTC221405

- 48-B, 3rd floor, Santosh Height, 37 Gultekdi,
Opp Apsara Theatre, Pune – 411037
- +91-74101 11908
- hello@walkley.com
- www.walkley.com



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