

Technical Data Sheet

Ref.: W-Lf-06- 010520-02

In Compliance With EN norms – EN C2	Walnut Lite Floor is an Eco friendly, high strength, high polymer modified, light weight, mineral based ready to use slurry adhesive for fixing all kind of Ceramic & Vitrified Tiles on floor including economic stone, which are not sensitive to moisture. Suitable for internal & external.
Main application Adhesive for fixing all kind of tiles and stable stone on fresh floor mortar with slurry method	

Technical advantage of Walnut Lite Floor over cement slurry

- Guaranteed fixing of all kind of ceramic & vitrified tiles on fresh mortar floor.
- Highly suitable for Indian stone, which are not sensitive to moisture as replacement of white cement.
- Exceed strength of class 2 adhesive as per EN.
- Flexible & no shrinkage.
- High polymer modified.
- High speed of work with ease of application.
- High tensile adhesion for fixing large format Vitrified tiles on fresh mortar floor.
- No water curing required.
- High coverages with minimum thickness of just 2 to 5 mm.
- No need to mix any extra cement or sand. Ready to use.
- Economic as a slurry adhesive and best among its class in Industry.
- Very low VOC and suitable for green building.

Suitable areas

- Internal & external floor.
- Residential building floors.
- Foot traffic commercial floors.

Suitable surfaces

- Fresh floor mortar made with Walnut Zeorich Base, Zeorich Base Rapid or with cement: sand
- Best for floors made with fresh Zeorich Base bedding.

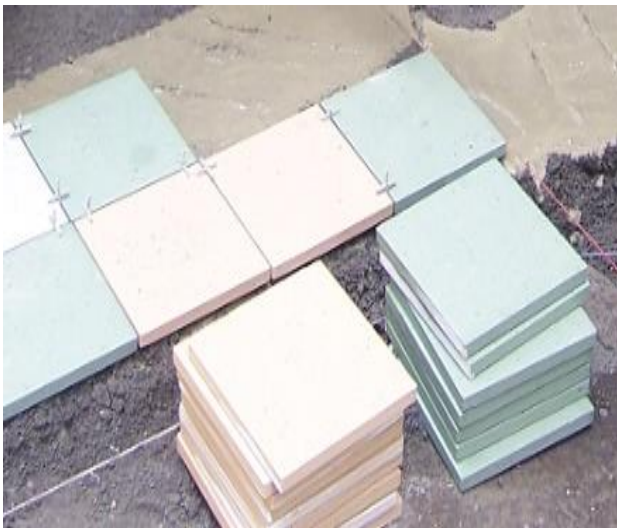
Suitable covering material

- All kind of ceramic & vitrified tiles.
- Even large format tiles of 600x600 mm. or more.
- Indian stone which are not sensitive to moisture.

Product not to be used

- On concrete and other rigid cement surfaces (Use Calcibond series of adhesive).
- On metal, wood and on cement board.
- To fix Italian stone or other stone which are sensitive to moisture.
- To fix stone which are soft and brittle in nature.
- To fix recomposed stone.
- Over expansion joint or in area with extreme movement in structure.

How to Use



Important tools for application:

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

Cleaning of tools:

- 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 floor mortar is fresh and not already dried. Mortar must be well compacted, leveled, semi-dry. Very fluid base mortar may lead to excessive shrinkage in base screed and cause crack and hollow sound in tiling.
- If surface area is larger, provide movement joint every 3 meters.
- Follow concrete expansion joint and connection joint as per standard.

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Mixing:

- Mix Walnut Lite Floor 20 kg. bag of Grey or white powder with approx. 8 to 8.5 lt. of clean water. Use electric low speed stirrer to have best results. Manual mixing can compromise performance of adhesive.
- Adjust the water quantity as per ambient temperature and dryness of screed. The final mix must be workable slurry which can be applied easily and spreadable.

Application:

- Spread the slurry onto fresh mortar as per size of tiles from 2 to 5 mm. thick using plain side of trowel.
- Once slurry is applied over mortar, fix the tiles or stone immediately and press firmly.
- Leave the space between tiles or stone to have proper grouting and to release moisture from fresh bedding mortar.
- Leave the tiles or stone for 24 hours to bond well.
- Do the grouting after seven days when base mortar is enough dry.

Product & Working Data:

Product appearance	: Grey & White colour powder
Packing	: 20 Kg. moisture proof bag
Shelf life	: 12 months from the date of manufacturing.
Water ratio	: Approx. 8 to 8.5 lt. per 20 kg. bag or adjust to make spreadable slurry.
Pot life	: > 2 hours
Thickness	: Minimum 2 to 6 mm.
Open Time	: 20 minutes
Adjustability	: 10 minutes
Initial setting	: 6 to 8 hours.
Final setting	: 24 hours.
Walking on floor	: After 24 hours.
Grouting	: After 7 days.
Normal use of surface	: After 2 weeks.
Full strength of adhesive	: At 28 days.
Coverage	: Approx. 90 sq.ft. / bag of 20 kg using 2 mm. thick slurry or 1.2 kg. / m2 / mm.
Working temperature	: + 5° C. to+ 35° C.

(Data @ 23° C. & 50% humidity)

Technical Performances

In compliance with EN 12004 : Class 2 Adhesive – EN C2

Tensile adhesion	: ≥ 1 KN / mm2	: As per EN 1348
Sheer adhesion	: ≥ 1 KN / mm2	: As per ANSI A -118.1
Adhesion after heat cycle	: ≥ 1 KN / mm2	: As per EN 1348
Adhesion after water immersion	: ≥ 1 KN / mm2	: As per EN 1348
Adhesion after freeze / thaw cycle	: ≥ 1 KN / mm2	: As per EN 1348



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

- Final resistance to temperature after 28 days or full cure: - 40 to + 90° C.
- The final results may vary based on temperature and humidity.


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Important instructions

- Once bags are open, entire material must be consumed within 24 hours. Store the bags in safe environment.
- In case of very weak base mortar due to mix design, please ensure that mix design is properly done as per national standard before use of slurry adhesive. Weak mortar may cause breaking of tiles.
- Avoid using the slurry adhesive in extreme windy condition. This may reduce application time significantly.
- If temperature is very high and more than 35° C. avoid using the products or cover the surface immediately with dampen cloth for next 24 hours or more till it cure fully.
- In case temperature are extremely cold 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 Walnut products not as per technical data mentioned, please call Walnut technical helpline.

Walnut Green Building Index

Walnut range of products are most eco-friendly and most suitable to use in green buildings and in all other buildings. Apart from using best of international raw material for best performance, Walnut procure the major raw material locally to safeguard environment.



- **Recycled raw material used.**
- **VOC (Very low Organic Compounds).**
- **100% suitable to recycle after expiry.**
- **Suitable for all kind of green and normal buildings.**

Walnut Quality & Safety Assurance

Products supplied are safe to use by any worker at site. However proper tools and safety measures must be in place for prolong working. The gloves, safety glasses and other protection measure must be followed as per local regulation.



Declaration

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

Technical Help

Walnut Building Solutions India Private Limited | CIN : U36999MH2017PTC289638

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