

Technical Data Sheet

<p>Test Standard ASTM C97 / C97 – M-09</p>	<p>Walnut Zeoseal Porous is a unique Eco-friendly (very low VOC) water-based sealer made with high quality raw material to provide excellent resistance & ingress against water, water stain, rising dampness in brick & efflorescence when used either as primer on the back side of absorbent tiles or stone before fixing or as sealer coat over absorbent granite or marble or on cement-based surfaces such as concrete, plaster, brick etc.</p> <p>Zeoseal Porous is ready to use and when applied, it creates water drop effects and most suitable for product such as clay tiles, terracotta floor tiles, sandstone, absorbent granite or gypsum-based surface. Suitable for interior & exterior.</p>
<p>Main application Zeoseal Porous is a water base, clear, VOC free, non-flammable, water repellent primer & sealer to treat all high absorbent cement surfaces such as concrete, plaster, brick or absorbent tiles & stone from back side prior to fixing on floor and wall as well from top before final use.</p>	

Technical advantage of Walnut Zeoseal Porous

- A ready to use high concentrate water-based primer & sealer for absorbent mineral surfaces.
- Excellent water beading effects for long time.
- When applied pre-grouting, does not allow penetration of colour pigment onto the tile stone surface.
- Guaranteed protection against water, efflorescence, alkali and chlorides (soluble salt etc.)
- Using Zeoseal Porous ensures that absorbent mineral surfaces are fully protected against ingress of water.
- Being water based, it allows moisture vapor transfer from applied surface.
- UV stable and suitable for interior & exterior use on wall for protection against water and water related stain.
- Once applied, creates invisible barrier on surface and penetrate into the top surface.
- Highly suitable for treating new surfaces and old restoration / protection of sand stone or cement surfaces.
- Drastic reduction in white deposits on treated surface.
- Doesnot alter the color of applied surface.
- Excellent reduction in moisture rising on brick wall.
- Very low VOC (Low Volatile Organic Compound) and suitable for green building point.
- Non-flammable.

Suitable areas

- Internal & external mineral based absorbent floor & wall surfaces.
- Residential & commercial buildings.
- Industrial facilities.
- Public infrastructure such as airports, railways etc.

Suitable surfaces

- Absorbent exposed new or old concrete or plaster.
- Absorbent natural stone such as sandstone or similar pre-polish or post polish.
- Back side of tiles, sandstone, brick, granite and marble as primer coat before fixing with adhesive or mortar.
- Gypsum base surfaces.
- Pre-grouting in tiles or stone joint.

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Product not to be used

- On floor & wall which are submerged under water or in swimming pool.
- Non-cement based or non-mineral surfaces.
- On damp surfaces.
- On surface which are not fully cured.
- Surfaces which are unclean or have existing deposits or film of oil, grease or foreign particle.
- On glass, wood, plastic and metal.

How to Use



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Important tools for application:

Suitable soft bristle brush.

Low pressure spray gun.

White colour sponge.

Other cleaning & mixing tools such as wire brush, broom, bucket, suitable cleaner, wiping dry cloth, masking tape etc.

Cleaning of tools:

While still the material is fresh, all the tools can be cleaned with normal water.

Surface Preparation:

- Ensure that concrete, plaster, tiles, stone or any other mineral substrate is fully dry, clean and free from all foreign material such as oil, grease, dust etc.
- Old or new surface can be cleaned by suitable method such as sand blasting, water blasting or chemical cleaning.
- When using Zeoseal Porous over absorbent granite and marble as protection coat, ensure that final polishing is done. When applied as pre-polished protection coat, further coating will be needed post polishing.
- When applied back side of tiles or stone as primer the back surface must be clean.
- When applied over mineral / cement-based grout, the grout surface must be clean from suitable cleaner.
- The temperature of surface must be over 5° C. and less than 40° centigrade.

Mixing:

- Zeoseal Porous is ready to use sealer and no further dilution require.

How to apply:

A.) Application as back coat primer on tiles or stone:

- Once back surface of tiles or stone is dry and fully clean, apply the liquid with sponge or suitable brush on entire surface and saturate enough for sufficient penetration. Quantity of application is depending on absorption of surface and once first coat is dry, after 30-minute second coat can be applied if needed.
- The applied surface can be leftover for minimum 12 hours for final cure.

B.) Application as protection coat on absorbent or polished surfaces:

- Ensure that final surface is clean and fully dry before starting the application.
- Apply enough to wet the entire surface with dry white sponge or with spray gun for large area.
- Once first coat has been absorbed fully into the surface and if needed second coat can be applied the same way as first. Allow final coat to penetrate for 10 minute and in case polished stone, wipe out excess sealer with dry cotton cloth by buffing technique.
- In case excess sealer is dried and could not be wiped from polished surface, then second coat application over affected area can be done and surface can be buffed.

C.) Application as a fully dipped surface:

- In case of sandstone, clay tiles, brick or similar material, they can be fully dipped into sealer. The duration of dipping is depending on absorption of surface and it can be 5 minutes till several minute.
- Once product is fully in contact with Zeoseal Porous and have dipped enough, it can be taken out to dry naturally.

Product & Working Data

Product appearance	: Colour less liquid.
Packing	: 1 & 5 Kg. drum.
Shelf life	: 12 months from the date of manufacturing.
Mixing	: No dilution.
Coverages:	: Approx. 50 to 125 sft. / Lt. per coat or more. (Depends on absorption in surface and application technique)
Final cure	: 24 hours after final coat.

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Important instructions

- Store the container in safe environment. Shake well before use.
- If temperature is less than 4° C. or more than 40° C. than avoid using the products.
- Test small area first before using product all over surface.
- In case the performance of Walnut products is not as per technical data mentioned, please call Walnut technical helpline.

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

IJMIMA, 804, 8th floor, Behind Goregaon sports club, off link road, Malad West, Mumbai – 400064

Technical services & customer care: +91-22-49713322 / +91 9967007783 | email: info@wallnut.co.in