

PLASTERING MORTAR SERIES

132 AMERICAN PLASTER

US RENDER WATERPROOF

- Interior and exterior wall rendering
- Excellent water resistance
- Strong adhesion to substrate
- Minimizes shrinkage cracking
- Environmental, toxic free, odorless
- Compatible with US MIRACLE cementitious plaster, tile adhesive and waterproofing series products

US MIRACLE 132 US RENDER WATERPROOF is a high quality cement based plaster enhanced with waterproofing additives to minimize water penetration. It is designed specifically for interior and exterior wall rendering. Each layer can be applied up to a thickness of 25mm, offering strong adhesion to the substrate. Once hardened, it forms a high-strength, durable leveling layer, providing a solid base for subsequent tile adhesion or coating applications.



GRAY ●

USAGE

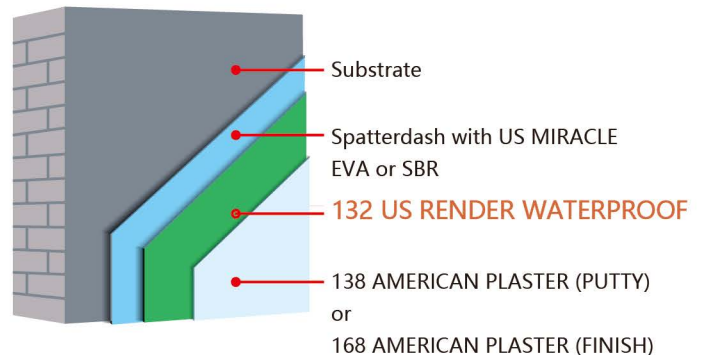
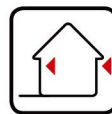
- For smoothing concrete, brick, or block walls for interior and exterior rendering or as a leveling layer on concrete or rendered surfaces.
- Hand or spray applied for leveling in small and large projects.
- Suitable for refurbishment and new construction projects.

SURFACE PREPARATION

Before application, ensure the surface is clean and free of dust, grease, or any contaminants. The wall must be completely clean. If the working environment is relatively dry, pre-wet the wall thoroughly with clean water and leave it overnight. Ensure the surface is dry with no visible water before proceeding. **US MIRACLE 132 US RENDER WATERPROOF** is suitable for stable and properly prepared surfaces.

For smooth or high density substrates such as off-formed concrete, apply a spatterdash coat using **US MIRACLE MORTAR ADMIXTURE** to improve the wet and tensile adhesion.

Within 48 hours of formwork removal, clean the surface before applying a spatterdash coat. Allow the spatterdash to cure for at least 2 days preferably 7 days or more before proceeding with rendering.



MIXING

Add one bag of **US MIRACLE 132 US RENDER WATERPROOF** dry powder to 5.0–5.5 liters of clean water and mix with an electric mixer for about 3 minutes until smooth and lump-free. For mechanical spraying, use equipment that mixes and pumps simultaneously, following the manufacturer's instructions. Adjust the water gauge on the sprayer to achieve the correct workability at the nozzle.

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APPLICATION

Apply each layer at a thickness of approx: 10–25 mm. For thicknesses over 25 mm, work in multiple layers. Keep the previous layer rough for better adhesion. Proceed with the next layer only after the first layer has hardened enough to support additional weight.

CURING

US MIRACLE 132 US RENDER WATERPROOF remains highly workable and easy to finish for approximately 15 to 30 minutes, depending on the application method and site conditions. Hot or dry conditions can shorten this working time. Before the mortar sets, use a straight-edge screed to level it and remove excess material. Sprayed surfaces will dry faster. For finishing, you can use a wooden float to create a textured surface or a steel trowel for a smooth finish. To achieve a smooth surface, wait until the material begins to firm up, then carefully level it off with one or two passes of a trowel wiped with a damp cloth. Additional curing is generally not necessary, but in hot or drying conditions, a traditional curing compound can be applied once the surface has set.

STORAGE

To maintain product quality, store **US MIRACLE 132 US RENDER WATERPROOF** in a dry place on its original pallet with intact plastic wrapping, away from direct sunlight. Keep it elevated off the ground to avoid moisture and avoid overstacking. Improper storage may cause premature expiration or clumping. Shelf life is 12 months from the production date.

HEALTH AND SAFETY

This product is non-toxic and non-flammable. It contains cement, so avoid contact with eyes or prolonged skin exposure during use. Wash thoroughly after application. If it gets in your eyes, rinse immediately with plenty of water and seek medical attention. Keep out of reach of children.

COMPLIED STANDARDS

- European Norm : EN 1015 –11
- British Standard : BS 1881, BS 4551
- Hong Kong Standard : HKHA/MTS (2000), Part D 2.1.6
HKHA/MTS (2000), Part D 2.1.15
- Chinese Standard : JC/T 894, JC/T 1024

TECHNICAL DATA

Compressive Strength at 28 days	>25 N/mm ²
Flexural Strength at 28 days	>6 N/mm ²
Bond to Concrete at 28 days	1.5 Mpa
Water Absorption (ISAT) @60min	<0.01 ml/m ² · s
Water Impermeability Pressure	>0.7 MPa
Water Rententivity	99%
Resistance to Efflorescence	No efflorescence
Shrinkage (Coutinho Ring Test)	No cracks observed
Wet Density	1,900 kg/m ³
Thickness	10 - 25 mm in 1 coat 25 - 40 mm in 2 coats
Coverage	Approx. 1.5 kg/m ² /mm
Packaging	30 kg/Bag
Shelf Life	20 Months

* The provided data reflects standard laboratory testing outcomes, which may differ slightly based on the specific environmental and substrate conditions at the application site.

The information provided here is, to the best of our knowledge, accurate and reliable, based on our current understanding. No guarantees or warranties are offered regarding any recommendations or suggestions, as the conditions of use and labor involved are outside our control.



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