

Technical Data Sheet

HR AQUA SEAL WHITE

Cementitious 2-Component Rubberized Waterproof Coating



Product Description

HR Aqua Seal White is a premium two-component cementitious rubberized water & heat proof coating, comprising a high-quality cement-based powder (Component A) and a flexible polymer liquid (Component B). Once mixed, it forms a highly elastic, seamless, and waterproof protective membrane with excellent adhesion and durability. The white color provides improved visibility and cleanliness during application.

Applications

- Roof slabs and terraces
- Bathrooms, toilets, kitchens, and wet areas
- Balconies and podium decks
- Basements, foundations, and retaining walls
- Water tanks, sumps, and swimming pool surrounds

Key Features & Benefits

- Flexible 2-component system
- Excellent crack-bridging performance
- Resistant to positive and negative water pressure
- Strong adhesion to concrete, masonry, and plaster
- Non-toxic and suitable for potable water contact (after full curing)
- White color for better inspection and even coverage



Technical Properties

Property	Typical Value
Color	White
System	2-Component (Powder + Liquid)
Mixing Ratio	As supplied (Component A : Component B)
Pot Life	30 – 45 minutes
Consistency	Brushable / Trowelable slurry
Drying Time	4 – 6 hours between coats
Final Cure	7 days
Application Temperature	+5°C to +40°C



Coverage	1.5 – 2.0 kg/m ² for 2 coats
Elongation at Break	>40% to 60%

Method of Application

1. Ensure the substrate is clean, sound, and free from contaminants.
2. Pre-wet the surface with clean water; surface should be SSD (Saturated Surface Dry).
3. Add Component A (powder) slowly into Component B (liquid) and mix using a slow-speed mixer until a smooth, lump-free slurry is obtained.
4. Apply the first coat by brush or trowel.
5. Allow to dry for 4–6 hours and apply the second coat in a cross direction.
6. Protect treated surfaces from rain, direct sun, and wind during curing.

Surface Preparation

- Concrete surfaces must be cured for at least 14 days.
- Fill cracks, honeycombs, and voids prior to application.
- Use fiberglass mesh at corners, joints, and cracks if required.

Storage & Shelf Life

- Store in a dry, shaded area
- Protect from moisture and frost
- Shelf Life:
 - Component A: 12 months
 - Component B: 12 months (unopened)

Health & Safety

- Wear protective gloves, goggles, and mask during application
- Avoid inhalation of dust and direct skin contact
- Wash affected areas with clean water
- Refer to MSDS for detailed safety instructions



Limitations

- Do not apply on frozen, overheated, or contaminated surfaces
- Not recommended for areas subject to heavy structural movement without reinforcement
- Finished coating must be protected from mechanical damage

Disclaimer

The information provided in this Technical Data Sheet is based on laboratory tests and practical experience. Actual performance depends on site conditions and application methods. The manufacturer assumes no responsibility for improper use.

