

Technical Data Sheet

HR AQUA SEAL RED

Cementitious 2-Component Rubberized Waterproof Coating



Product Description

HR Aqua Seal Red is a high-performance two-component cementitious rubberized waterproof coating, consisting of a cement-based powder (Component A) and a flexible polymer liquid (Component B). After mixing, it forms a seamless, elastic, and waterproof membrane with excellent adhesion and crack-bridging properties. The red color allows clear visual identification of coated areas and layer thickness.

Applications

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

Key Features & Benefits

- Flexible 2-component waterproofing system
- Excellent crack-bridging capability
- Resistant to positive and negative water pressure
- Strong adhesion to concrete, masonry, and plaster
- Non-toxic and suitable for potable water contact (after curing)
- Red color for easy inspection and coverage control



Technical Properties

Property	Typical Value
Color	Red
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	>192% to 198%

Method of Application

1. Ensure the surface is clean, sound, and free from dust, oil, grease, and loose materials.
2. Pre-dampen the surface with clean water; do not leave standing water.
3. Slowly add Component A (powder) into Component B (liquid) and mix using a slow-speed mechanical mixer until a smooth, lump-free slurry is achieved.
4. Apply the first coat using a brush or trowel.
5. Allow 4–6 hours drying time, then apply the second coat at right angles to the first.
6. Protect treated surfaces from rain, direct sunlight, and wind during curing.

Surface Preparation

- Concrete substrates must be cured for minimum 14 days.
- Repair cracks, voids, and honeycombs before coating.
- Reinforce corners, joints, and cracks with fiberglass mesh if required

Storage & Shelf Life

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

Health & Safety

- Use protective gloves, goggles, and masks during application
- Avoid inhalation of cement dust
- Wash skin immediately with water after contact
- Refer to MSDS for full health and safety information



Limitations

- Do not apply on frozen, very hot, or contaminated surfaces
- Not suitable for areas with heavy structural movement without reinforcement
- Protect finished coating from mechanical damage and traffic

Disclaimer

The information provided in this Technical Data Sheet is based on laboratory testing and field experience. Actual results may vary depending on site conditions and application methods. The manufacturer is not responsible for misuse of the product.

