

Technical Data Sheet

# HR WEATHER SHEATH

Weather Shield Paint for Façade & External Areas



## Product Description

HR WEATHER SHEATH is a premium quality acrylic emulsion exterior paint specifically formulated for weather protection & decoration of external walls, façades, rendered surfaces, cement plaster, brickwork, and concrete. It offers excellent durability, UV resistance, water repellency, and alkali resistance, ensuring long lasting aesthetics and protection even in extreme weather conditions.

## Features & Benefits

- Excellent Weather Resistance: Protects surfaces from rain, heat, and UV degradation.
- Water Repellent: Reduces water penetration & surface chalking.
- Alkali & Efflorescence Resistance: Ideal for new and cured masonry.
- Fade Resistant Colours: Long lasting colour retention.
- Breathable Film: Allows moisture vapor to escape, preventing blistering.
- Low VOC & Environment Friendly: Meets current environmental standards.
- Good Coverage & Opacity: Reduces number of coats & material consumption.

## Recommended Uses

Suitable for:

- External walls, façades & rendered surfaces
- Concrete, cement plaster, brickwork
- Architectural exteriors of residential, commercial, industrial buildings
- Previously painted exterior surfaces (sound & prepared)



## Technical Properties

| Property             | Typical Value  |
|----------------------|--|
| Composition          | Acrylic polymer emulsion                               |
| Finish               | Matt / Low sheen                                       |
| Colour               | Standard ranges / Custom tints                         |
| Density              | 1.45 – 1.60 kg/L (approx.)                             |
| Viscosity            | 90–110 KU (approx.)                                    |
| pH                   | 8.0 – 9.5  |
| Solids by Volume     | ~45% ±2  |
| Theoretical Coverage | 10–12 m <sup>2</sup> /L per coat (varies with surface) |



|                               |   |
|-------------------------------|---|
| Recommended Number of Coats   | 2–3 coats                                   |
| Touch Dry Time                | 30–60 minutes                               |
| Recoat Time                   | 2–4 hours                                   |
| Dry Film Thickness (per coat) | ~30–40 $\mu\text{m}$                        |
| Water Resistance              | Excellent                                   |
| UV Resistance                 | High  |
| VOC Content                   | <50 g/L (complies with environmental norms) |
| Shelf Life                    | 12 months (unopened, cool dry place)        |

## Surface Preparation

### New Surfaces:

- Remove dirt, dust, loose material.
- Ensure surface is clean, dry & free from curing compounds.
- Fill cracks/holes with suitable filler & sand smooth.

### Previously Painted Surfaces:

- Remove loose/flaking paint.
- Clean, de grease & sand mildly.



- Spot prime bare areas.
- Always remove mould, efflorescence, and contaminants before painting.

## Application Instructions

### Thinning:

- Ready to use; if necessary, thin with clean water up to 5–10% depending on application equipment and surface conditions.

### Application Methods:

- Brush, Roller, Airless Spray.

### Recommended Tools:

- Synthetic filament brush / short nap roller / airless spray tip 0.017–0.021".

### Spray Guidelines:

- Pressure: 1500–2000 psi (approx.)
- Overlap passes for uniform film.

### Environmental & Substrate Conditions:

- Apply between 10°C – 40°C.
- Relative humidity <85%.
- Avoid application in wet conditions or direct rain.

## Drying Times

|                 | Stage | Time           |
|-----------------|-------|----------------|
| Surface Dry     |       | ~30–60 minutes |
| Hard Dry        |       | 4–6 hours      |
| Recoat Interval |       | 2–4 hours      |

**Note: Drying times depend on temperature, humidity, and film thickness.**



## Safety & Handling

- Keep out of reach of children.
- Avoid contact with eyes & prolonged skin contact.
- Use in well ventilated areas.
- In case of eye contact, rinse immediately with plenty of water.
- Dispose of contents/container according to local regulations.

## Warranty & Disclaimer

Information provided herein is based on manufacturer's knowledge and tests. Variations in application, conditions, or substrates may affect performance. For best results, conduct a test patch prior to full application.

