

Technical Data Sheet

# HR EMULSION BASE

Bitumen Emulsion (Base Coat)



## Product Description

HR Emulsion Base is a high-performance bitumen emulsion base coat designed to provide a strong, durable bonding layer for waterproofing systems and asphalt applications. It forms a flexible, seamless film that enhances adhesion and improves the longevity of subsequent bituminous coatings or membranes.

## Applications

- Base coat for bituminous waterproofing systems
- Roof slabs, basements, foundations, and wet areas
- Road works and asphalt base preparation
- Protection of concrete and masonry surfaces

## Key Features & Benefits

- Cold applied – no heating required
- Excellent bond strength and surface coverage
- Forms a flexible and waterproof film
- Easy to apply by brush, roller, or spray
- Water-based and environmentally friendly



## Technical Properties

Property	Typical Value
Appearance	Dark Brown / Black Liquid
Base	Bitumen Emulsion
Consistency	Viscous Liquid
Solid Content	45% – 60% (Approx.)
Drying Time	4 – 8 hours (surface dry)
Elongation at Break	>400%
Full Cure Time	24 hours
Application Temperature	+5°C to +45°C



Coverage

0.8 – 1.2 kg/m<sup>2</sup> per coat

## Method of Application

1. Ensure the surface is sound, clean, and free from dust, oil, and loose materials.
2. Stir the emulsion thoroughly before use.
3. Apply evenly using brush, roller, or airless spray.
4. Allow the base coat to dry completely before applying the next coat or finishing layer.

## Surface Preparation

- Concrete surfaces must be cured for at least 14 days.
- Repair cracks, honeycombs, and surface defects before application.
- Primed surfaces using HR Emulsion Prime for better adhesion (recommended).

## Recommended System

1. HR Emulsion Prime – Primer Coat
2. HR Emulsion Base – Base Coat
3. HR Emulsion Top / Protective Layer (if applicable)

## Storage & Shelf Life

- Store in a cool, dry place, away from direct sunlight
- Protect from freezing
- Shelf Life: 6–12 months in unopened original packaging

## Health & Safety

- Avoid contact with skin and eyes
- Wear protective gloves, goggles, and suitable clothing
- Wash with water in case of skin contact
- Refer to MSDS for detailed safety instructions



## Disclaimer

The information contained in this Technical Data Sheet is based on laboratory testing and practical experience. Actual results may vary depending on site conditions and application techniques. The manufacturer assumes no responsibility for improper usage.

