

## Technical Data Sheet

# HR SMART PRIEMER

Smart Base for smart painting



### Product Description

HR Smart Primer / Smart Base is a high-performance primer designed to improve adhesion and film integrity for smart painting systems. It creates an even, sealed substrate that enhances topcoat performance and durability on varied surfaces including plaster, concrete, masonry, wood, and properly prepared metal.

### Applications

- Interior and exterior walls and ceilings
- New or previously painted surfaces
- Plastered, masonry, and concrete surfaces
- Suitable for decorative and smart paints for residential, commercial, and institutional buildings

### Key Features & Benefits

- Excellent adhesion to concrete, plaster, and masonry
- Improves topcoat coverage and uniformity
- Enhances paint durability and resistance to cracking or peeling
- Reduces paint consumption
- Quick-drying and easy to apply
- Compatible with most water-based and smart decorative paints



## Technical Properties

Property	Typical Value
Appearance	White Liquid
Base	Acrylic / Polymer Emulsion
pH	7-9
Drying Time	30-60 minutes (surface dry)
Recoat Time	2-3 hours
Coverage	10-12 m <sup>2</sup> /L per coat (depends on surface texture)
Application Temperature	+10°C to +40°C
VOC Content	Low / Non-toxic



Shelf Life

12 months in unopened packaging

## Method of Application

1. Ensure surfaces are clean, dry, and free from dust, grease, loose particles, or previous peeling paint.
2. Stir HR Smart Primer thoroughly before use.
3. Apply evenly using brush, roller, or spray equipment.
4. Allow to dry for 2–3 hours before applying the topcoat.
5. Apply 1–2 coats depending on surface porosity and desired finish.

## Surface Preparation

- Remove dust, dirt, grease, and loose materials
- Repair cracks or surface imperfections with suitable filler (e.g., HR Putty)
- Sand glossy surfaces lightly to improve adhesion

## Storage & Shelf Life

- Store in a cool, dry place away from direct sunlight and frost
- Keep container tightly closed
- Shelf Life: 12 months in unopened original packaging

## Health & Safety

- Avoid prolonged skin and eye contact
- Use gloves and protective goggles if needed
- Wash hands with water after handling
- Keep out of reach of children
- Refer to MSDS for detailed safety instructions

## Limitations

- Do not apply on wet or damp surfaces
- Protect freshly applied primer from rain or moisture until dry
- Not suitable for solvent-based topcoats



## Disclaimer

The information provided in this Technical Data Sheet is based on laboratory testing and practical experience. Actual performance may vary depending on substrate conditions and application methods. The manufacturer shall not be held responsible for improper use.

