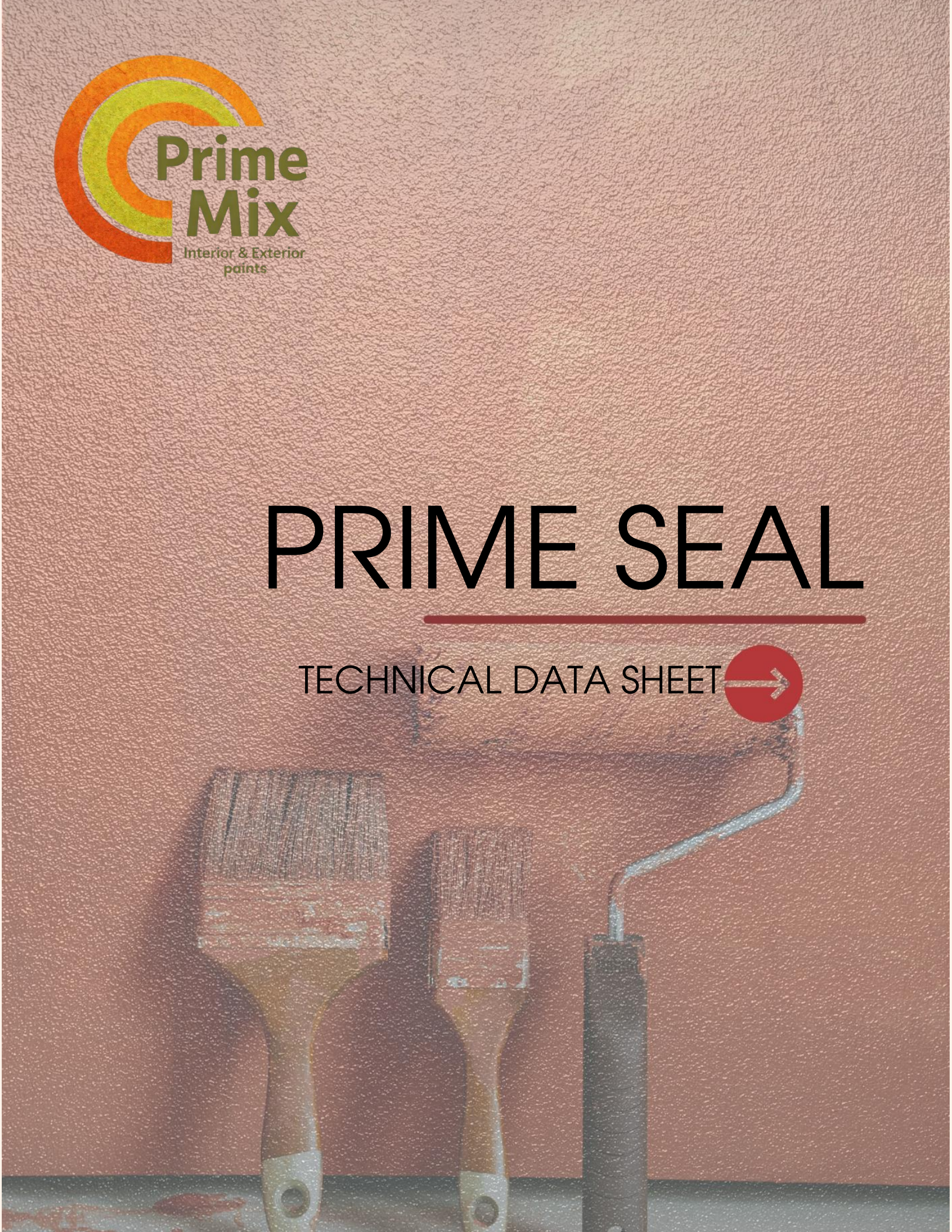
Prime Mix
Interior & Exterior paints

PRIME SEAL

TECHNICAL DATA SHEET



Technical Data Sheet

Product Description

Prime Seal Tex Ultra is a premium exterior textured coating formulated with pure acrylic emulsion. It is a water-based, flexible paint designed to provide long-lasting protection and decorative finishing for external surfaces.

Main Advantages

- Excellent resistance against harsh weather conditions and moisture.
- Advanced UV-resistant colours help reduce the damaging impact of sunlight.
- Helps protect concrete structures from carbonation.
- Creates an elegant medium-texture eggshell appearance.
- Conceals minor surface defects and imperfections effectively.
- Capable of bridging cracks up to 2.6 mm.

Recommended use

Suitable for exterior decorative and protective applications on:

- Concrete surfaces
- Cement plaster
- Block work
- Rendered walls
- Bridges and tunnels

Base surface

Base surfaces such as cement plaster, concrete, blockwork, rendered finishes, and similar construction materials. Terminology may vary depending on local standards, specifications, or regional practices.

Product Data

Property Description	
Volume Solids	42 ± 2 volume%
Specific gravity	1.28 Only for white colour
VOC	34 g/l
Packaging size	4L & 18 L

User details

For optimal results, the product may be applied by:

- Spray application using airless or conventional systems.
- Sponge roller for enhanced decorative textures.
- Brush application for precise coverage on edges and corners.

Recommended Airless Spray Settings

Item	
Nozzle tip	0.53-0.78 mm("0.031-0.021)
Spray angle degrees	40º - 80º
Pressure at nozzle	20 MPa (200 kp/cm², 2800 psi)

Film thickness & Coverage

Property	Range
Dry Film Thickness	75 – 420 µm
Wet Film Thickness	178 – 1000 µm
Theoretical Coverage	1 – 5.6 m²/l

Coverage may vary depending on:

- Surface porosity
- Texture type
- Application method
- Ambient temperature
- Surface condition

Thinning & Cleaning

- Thinner: Clean water
- Maximum dilution: 5%
- No dilution is required when used as part of a concrete protection system.

Application Conditions

For best performance:

- Surface temperature should be above 10°C.
- Surface temperature must remain at least 3°C above dew point.
- Recommended maximum substrate temperature is 45°C.
- Proper ventilation is important in enclosed spaces to ensure correct drying.

Drying Time

Condition	10°C	23°C	40°C
Surface Dry	120 min	60 min	45 min
Hard Dry	48 hrs	24 hrs	12 hrs
Recoat Time	10 hrs	5 hrs	3 hrs

Drying duration may vary according to:

- Air circulation
- Humidity
- Coating thickness
- Number of applied coats

Surface Preparation

Before application, the substrate must be:

- Clean
- Dry
- Structurally sound
- Free from dust, grease, oil, and loose particles

Recommended preparation methods:

- Light sanding
- Water jet cleaning
- Sweep blasting for concrete surfaces

Prime Seal Filler may be used when necessary to repair pinholes and small imperfections.

Recommended Coating System

Standard System

- 1 Coat: Prime Seal Penetrating Primer
- 2 Coats: Prime Seal Tex Ultra

For Porous or Chalky Surfaces

- 1 Coat: Prime Seal Penetrating Sealer
- 1 Coat: Prime Seal Penetrating Primer
- 2 Coats: Prime Seal Tex Ultra

Concrete Protection System

- 1 Coat: Prime Seal Siloxane Acrylic Primer
- 2 Coats: Prime Seal Tex Ultra.

Storage Instructions

- Store containers in cool, dry, and ventilated areas.
- Keep away from heat and ignition sources.
- Ensure containers remain tightly sealed.
- Handle containers carefully according to local safety regulations.

Certifications & Performance

The product has been tested and certified for:

- Crack bridging capability up to 2.6 mm
- High water resistance
- Low water absorption
- Carbon dioxide diffusion resistance
- Chloride ion protection
- Moisture vapour transmission performance

Health & Safety

Users should always follow safety instructions provided on the product packaging and Safety Data Sheet (SDS). Proper precautions for handling, storage, transportation, and application should be observed at all times.

Disclaimer

All technical information provided is based on laboratory testing and practical experience. Actual performance may vary depending on site conditions, application methods, and environmental factors. Users are advised to verify the product's suitability for their specific applications before use.