

Royal Coat Latex Primer

Interior/Exterior

Technical Data Sheet (TDS)

Product Description

Crown Royal Coat Latex Primer is a workhorse commercial latex coating designed for use on interior and exterior surfaces.

Product features:

- Latex formula for interior/exterior use
- Low odor and VOC compliant
- One coat coverage
- Easy water cleanup
- Lead, chromate, and heavy metal free

Recommended Uses

Royal Coat Latex Primer is intended for commercial applications, walls, ceilings, and trim. Not recommended for floors or vinyl surfaces.

Application Areas:

- Brick
- Non-porous Substrates
- Gypsum Board
- Structural Wood
- Plaster
- Primed Metal Surfaces

Mixing

Royal Coat Latex Primer is a single component ready to use product.

Stir each container thoroughly prior to use.

Product Characteristics

Typical Physical Properties Single Component	
Gloss:	Flat:<5 GU at 60°
Volume Solids: (Single Component Unreduced) TS337 White	43% ± 1%
VOC (Unreduced): EPA Method 24 TS337 White	17.5 g/l 0.145 lb /gal
Shelf Life:	
Royal Coat Latex Primer	2 years
For unopened product (77°F (25°C))	
Weight Gallon: TS337 White	11.3 ± 0.2lb/gal

Surface Prep

Surfaces to be finished must be clean, dry and free of dirt, oil or any contamination that would adversely affect adhesion, protective properties or appearance of the coating.

For questions regarding other substrates contact your Crown Representative.

Application Method

Royal Coat Latex Primer can be applied by brush, roll, or spray application. Ideal for airless spray application.

Allow 2 hours prior to application of the second coat or topcoat.

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Spray Gun Setup

Feed Type	Fluid Tip	Application Pressures (heel of gun)	Fluid Delivery
Siphon Feed	1.6-1.8 mm	40-50 psi	
Gravity Feed	1.6-1.8 mm	30-40 psi	
Pressure Feed	1.4-1.8 mm	50-60 psi	10-14 oz/min
Air Assist Airless	9 -17 Thou	1,000-1,800 psi	
Airless	11-15 Thou	1,700-3,000 psi	

Spray Viscosity

Supplied Viscosity - [77°F (25°C)]	
Stormer Viscometer	90 - 95 KU

Note: Material is packaged at a viscosity requiring little or no reduction for application by airless spray equipment.

Note: Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and the desired surface finish.

IF THINNING IS REQUIRED:

Use only water to thin this product.

Film Build

Royal Coat Latex Primer has a recommended film build thickness of:

Wet: WFT Unreduced	4.5 – 6.0 mils	101 – 152 microns
Dry: DFT	2.0 – 2.5 mils	50 – 64 microns

Theoretical coverage at 1.0 mil (25 microns)
 DFT: 690 ft² per gallon at 100% transfer efficiency.

Dry Times

	70°F(21°C)
To Touch	30 Minutes
To Handle	1 Hour
To Recoat	2 Hours
Through Dry	18 Hours

Optimum drying conditions are 60°F to 90°F (16°C to 32°C) at 50% R.H. Lower temperatures and high humidity will slow dry time. Surface must be dry and at least 5°F(3°C) above the dew point.

Topcoating Information

Royal Coat Latex Primer may be topcoated with most solventborne and waterborne products.

Clean Up

Clean all equipment immediately after use with water.
 If the equipment will not be used for an extended period of time, do a final flush with solvent such as mineral spirits.

Ordering Information (sizing)

Package sizes available:
 5 gallons, 55 gallon drum, 300 gallon tote.
 Custom colors and sizes may be available.

Environmental Conditions

For optimum coating performance product, substrate and ambient temperature should be above 50°F (10°C). To prevent condensation during application the surface temperature must be 5°F (3°C) or more above the dew point at all times.

Note: For use outside this range please contact your Crown Representative.

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Storage Conditions

Storing partially used container:

To store partially used container replace lid securely. Store away from heat or open flame.

Mix thoroughly before reusing.

Keep from Freezing.

Store in Frost Free conditions.

Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS sheets can be obtained by contacting Crown Paint.