



# 791 Corroless RF60 Polyurethane Topcoat

## PRODUCT DESCRIPTION & USES

**791 Corroless Polyurethane Topcoat** is a highly durable 2K Polyurethane finish with flexibility, excellent non-yellowing and excellent exterior weathering properties together with resistance to abrasion and resistance to a wide range of oils, solvents and chemicals.

It is available as a clear finish or a variety of standard and MTO custom colours. If required, lower gloss finishes can be achieved by using **01.100 Flatting Base Cream Paste**.

## PRODUCT FEATURES

- Non-yellowing
- Excellent chemical resistance
- Hard wearing
- Excellent flexibility, durability and weathering properties
- Excellent gloss retention
- Made in New Zealand for New Zealand conditions.

## TECHNICAL DATA

Gloss Level	Gloss. Lower glosses can be achieved by using <b>01.100 Flatting Base Cream Paste</b>
Sealer / Primer	<b>A767 Corroless Rust Stabilising Primer</b> or <b>A757 Corroless EP Rust Stabilising Primer</b>
Undercoat	<b>A797 Corroless RF35</b> (Optional)
Wash Up	<b>002.034 2K Magic Brush Wash</b> (Do not use for thinning)
Colours	Clear, White or Custom Colours on request.
Pack Size	5L
Storage Temperature	5°C - 50°C
Shelf Life	Minimum 2 years. <b>790-00 Hardener</b> is water sensitive and balance of contents may gel after container is opened and only part used.
Toxicity	This paint contains polymeric isocyanates when mixed. Provide adequate ventilation during use. Breathing the vapour is dangerous. Avoid breathing of fumes. Where applied by spray, use suitable air-fed respiratory equipment/hood at all times.
VOC content	Unmixed: 51g/L Mixed: 46g/L as per EC-07-18 and APAS definition of Volatile Organic Compound. Results may vary slightly for colours.
Mixing Ratio	4 parts by volume Base to 1 part by volume Hardener
Pot Life	9 hours
Volume Solids	45%
Wet Film Thickness	Approximately 83µ per coat
Dry Film Thickness	Approximately 37µ per coat
Coverage	Approximately 12m <sup>2</sup> /L depending on surface texture, porosity and method of application

## SUBSTRATE PREPARATION INSTRUCTIONS

Coated surfaces using the recommended primers and undercoats specified above must be clean, dry and free from oil, grease and loose material.

If cure time since the last coat of primer or undercoat is greater than 24 hours cleaning with a detergent solution / fresh water rinse prior to applying **791 Corroless Polyurethane Topcoat** is recommended.

To overcoat after seven days, abrade the surface to provide a key and wash down with clean fresh water to remove any contamination and allow to dry prior to applying **791 Corroless Polyurethane Topcoat**.

## RECOMMENDED APPLICATION METHODS AND TECHNIQUES

Add 1 part by volume of **790-00 Hardener** to 4 parts by volume of **791 Corroless Polyurethane Topcoat**.  
Apply by spray in full, even coats.

To reduce the gloss level use **01.100 Flatting Base Cream Paste**.

Add 1 part by volume of **01.100 Flatting Base Cream Paste** to 5 parts by volume mixed **791 Corroless Polyurethane Topcoat** to achieve a 60% gloss level.

Add 2 parts by volume of **01.100 Flatting Base Cream Paste** to 5 parts by volume mixed **791 Corroless Polyurethane Topcoat** to achieve a 35% gloss level.

**791 Corroless Polyurethane Topcoat** is designed for application by Spray.  
Brush or Roller application may give films of poor aesthetic appearance.

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**NOTE:** The information concerning the use and application of this product is intended for use by professional specifiers and applicators, is given in good faith and is believed to be correct at the date of issue. Protective Paints Ltd reserves the right to alter the product or specification without notice. The user should check the date of issue, and if more than 24 months have elapsed, should verify with our nearest sales office that the information is still current. Because we cannot control the way these products may be used, or the conditions they may be exposed to, we can give no express guarantees in respect of the performance of this product. However certain guarantees may be implied by law.

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## 791 Corroless RF60 Polyurethane Topcoat

Minimum Surface Temperature: 5°C  
Maximum Relative Humidity: 75%  
Temperature Range: 5°C - 35°C  
Suitable Application Methods: Spray  
Thinners: Supplied ready for use. **A753-05 Corroless #5** Thinner can be used if required  
Cleaning Solvent: **002.034 2K Magic Brush Wash – DO NOT USE FOR THINNING**  
Max, Volume Thinners: 5%  
Airless Spray: Tip Size: 9-13 Thou (0.23-0.33mm)  
Nozzle Pressure: 1500 – 2000 psi

**Note** – This information is issued as a guide only. For further details regarding your specific operations consult your equipment manufacturer.

### DRYING CHARACTERISTICS

All figures quoted are at 20°C and 65% relative humidity.

Drying will take longer at lower temperatures and/or at higher relative humidity and “blooming” may occur.

Do not paint when temperature of surface is below 5°C, above 35°C or when humidity is very high.

Touch Dry: 2 hours  
Recoat: 24 hours to 7 days  
Full Cure: 24 hours

### HEALTH & SAFETY

Flammable. Avoid contact with heat and naked flame.

Avoid contact with skin and eyes. Use gloves, mask and goggles during application. Provide adequate ventilation when using in confined spaces.

This paint contains polymeric isocyanates when mixed. Provide adequate ventilation during use.

Breathing the vapour is dangerous. Avoid breathing of fumes. Where applied by spray, use suitable air-fed respiratory equipment/hood at all times.

All work involving the use and application of this product should be carried out in compliance with all relevant Health, Safety & Environmental standards and regulations and must not be used without reference to the Material Safety Data Sheet (MSDS).