

**RUSTBUSTER PROTECT UVR**

**DESCRIPTION**

Two-component, high-gloss, VOC-compliant epoxy acrylic finish

**PRINCIPAL CHARACTERISTICS**

- Non-isocyanate
- Excellent gloss and color retention
- Non-chalking, non-yellowing
- Long pot life but quick-drying
- Can be recoated even after long exposure periods

**COLOR AND GLOSS LEVEL**

- Wide color range
- Gloss

**BASIC DATA AT 20°C (68°F)**

Data for mixed product	
Number of components	Two
Mass density	1.3 kg/l (10.8 lb/US gal)
Volume solids	54 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 324.0 g/kg UK PG 6/23(92) Appendix 3: max. 411.0 g/l (approx. 3.4 lb/US gal)
Recommended dry film thickness	50 - 60 µm (2.0 - 2.4 mils) depending on system
Theoretical spreading rate	10.8 m <sup>2</sup> /l for 50 µm (433 ft <sup>2</sup> /US gal for 2.0 mils)
Dry to touch	2 hours
Full cure after	7 days
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 12 months when stored cool and dry

**RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES**

**Substrate conditions**

- Compatible previous coat must be dry and free from any contamination
- Surface of previous coat should be sufficiently roughened if necessary

**RUSTBUSTER PROTECT UVR****Substrate temperature**

- Substrate temperature during application and curing should be above 5°C (41°F)
  - Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
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**INSTRUCTIONS FOR USE****Mixing ratio by volume: base to hardener 89.5:10.5**

- Adding too much thinner results in reduced sag resistance
  - The temperature of the mixed base and hardener should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
  - If required, thinner should be added after mixing the components
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**Induction time**

None

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**Pot life**

6 hours at 20°C (68°F)

Note: See ADDITIONAL DATA – Pot life

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**Air spray****Recommended thinner**

**RB EPOXY THINNER**

**Volume of thinner**

5 - 10%, depending on required thickness and application conditions

**Nozzle orifice**

1.0 - 1.5 mm (approx. 0.040 - 0.060 in)

**Nozzle pressure**

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

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**RUSTBUSTER PROTECT UVR**

**Airless spray**

**Recommended thinner**

THINNER 91-92

**Volume of thinner**

0 - 5%, depending on required thickness and application conditions

**Nozzle orifice**

Approx. 0.38 – 0.46 mm (0.015 – 0.018 in)

**Nozzle pressure**

15.0 MPa (approx. 150 bar; 2176 p.s.i.)

**PROTECT UVR** can be applied to an industrial finish using standard airless spray equipment with recommended pressure and tip sizes. In order to achieve the optimum finish and cosmetic appearance, the product may be thinned by 10% and applied using an air-assisted airless spray gun set up with a smaller tip size of 0.28 – 0.38 mm (0.011 – 0.015 in)

**Brush/roller**

**Recommended thinner**

**RB EPOXY THINNER**

**Volume of thinner**

0 – 5%

**Cleaning solvent**

**Rustbuster gun wash / standard thinner**

**ADDITIONAL DATA**

Spreading rate and film thickness	
DFT	Theoretical spreading rate
50 µm (2.0 mils)	10.8 m <sup>2</sup> /l (433 ft <sup>2</sup> /US gal)
60 µm (2.4 mils)	9.0 m <sup>2</sup> /l (361 ft <sup>2</sup> /US gal)

Overcoating interval for DFT up to 50 µm (2.0 mils)					
Overcoating with...	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	24 hours	16 hours	8 hours	6 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Note: Surface should be dry and free from any contamination

**RUSTBUSTER PROTECT UVR**

Curing time for DFT up to 50 µm (2.0 mils)		
Substrate temperature	Dry to handle	Full cure
5°C (41°F)	22 hours	14 days
10°C (50°F)	16 hours	12 days
20°C (68°F)	10 hours	7 days
30°C (86°F)	6 hours	4 days

Note: Adequate ventilation must be maintained during application and curing

Pot life (at application viscosity)	
Mixed product temperature	Pot life
10°C (50°F)	10 hours
20°C (68°F)	6 hours
30°C (86°F)	3 hours

**SAFETY PRECAUTIONS**

- For paint and recommended thinners see INFORMATION SHEETS
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes
- Avoid at all times inhalation of aerosol spray mist

