

PRODUCT CHARACTERISTICS

Special high gloss topcoat with exceptional UV resistance for exposed surfaces where long-term colour retention and high gloss is required.

Epoxy technology ensures excellent chemical resistance.

Specifically designed for applications where the use of isocyanate-based products is prohibited.

It is also amine and NCO free.

The coating is very adaptable and user-friendly.

A long pot life and short drying time provides excellent productivity and reduced downtime.

The coating can be applied to previously coated surfaces, especially as a topcoat for **Chemco** epoxy primers - RL 500PF and RS 500P and also **Chemco** epoxy glassflake products - RA 500 series, RV 500 and RW 500.

PRODUCT DESCRIPTION

Two pack epoxy acrylic coating.
VOC compliant.

PRODUCT INFORMATION

Colour:	Full range of RAL, BS 4800 and BS 381C colours available (excluding all metallic and luminous colours).	
Volume solids (v/v%):	72 ± 2%	
VOC:	350g/l	
Mix ratio:	Mix part A (resin RC 500GTC) and part B (hardener HC 500GTC) in proportionate weights as supplied.	
	5 ltrs	15 ltrs
	RC 500GTC (Part A)	4.27 12.8
	HC 500GTC (Part B)	0.73 2.2
Cure:	Catalyst induced cross-linking polymerisation.	
Typical thickness range:	DFT:	50 - 150 microns per coat.
	WFT:	70 - 210 microns per coat.
Theoretical coverage:	14 - 4.7m ² /ltr (Allow for application losses, surface irregularities, etc).	
Temperature resistance:	120°C (dry).	
Pack sizes	5 and 15 ltrs.	

APPLICATION DATA

Method:	Conventional/airless spray, brush or roller.	
Thinner:	T8 (5 - 10% for brush/roller or spray application).	
Cleaner:	S11A.	
Pot life:	8 hrs @ 20°C	
Over-coating interval:	Min:	4 - 12 hrs (depending on temperature).
	Max:	Unlimited.
Drying time @ 20°C:	Touch Dry	Hard Dry
	60 mins	8 - 12 hrs
Roller/brush:	Thin down and apply by normal industrial brush and gloss rollers.	

APPLICATION

Constituents:	Two pack epoxy acrylic system consisting of base resin and hardener.
Mixing:	Part A (resin) and part B (hardener) are supplied in separate containers. Always mix part A prior to addition of part B . Part mixing is not recommended unless accurate scales are available.
Continued overleaf:	

APPLICATION (cont'd)

Air spray:	Spray pump:	Conventional (15-20psi nozzle pressure), airless (1800psi nozzle pressure).
	Nozzle size:	Conventional (1-2mm), airless (13 thou, 30°-60° angle).

SURFACE PREPARATION

All surfaces must be free from loose or flaking paint and thoroughly degreased and dust-free.
There is no special surface preparation required on most surfaces, especially useful when over-coating times have expired.
If it is to be used directly on metallic surfaces, grit blasting to Sa 2½ is required.

LIMITATIONS

Pot life:	Vigilant care and attention to pot life is required during application. If gelling has started, do not apply.
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ENVIRONMENTAL CONDITIONS

Blasting or application should **NOT** be carried out when :-

Relative humidity is > 90%
Air temperature < 5°C
Substrate temperature < 3°C above dew point of surrounding air.

***Please note, this product can be applied at higher humidity or on damp surfaces; in such conditions the colour and gloss may be affected.**

SAFETY PRECAUTIONS

It is the policy of CHEMCO INTERNATIONAL to ensure that its products are handled and applied by professionally approved and skilled applicators.
Application shall be carried out in accordance with instructions contained in this data sheet and referenced to CHEMCO INTERNATIONAL TECHNICAL SPECIFICATION MANUAL.
CHEMCO INTERNATIONAL management are intent on ensuring all work is carried out in accordance with company HEALTH & SAFETY procedures and all materials are handled with due care to COSHH regulations and instructions.

STORAGE

Store in cool, dry conditions (not less than 4°C or above 20°C).
Keep away from direct heat source and sunlight.
When not using the material, always replace the lid on the container.

SHELF LIFE

At least 24 months when stored in sealed containers at temperatures of not less than 4°C or above 20°C.
At temperatures above, refer to manufacturer for advice.

DISCLAIMER: The information contained herein is, to the best of our knowledge, accurate and current and is given in good faith without warranty. Users are deemed to have satisfied themselves independently as to the suitability of our products for their particular purpose. In no event shall Chemco International be liable for consequent or incidental damages.

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