

## PRODUCT CHARACTERISTICS

Multi-purpose, breathable, single pack, water-based acrylic coating for concrete and other cementitious substrates.

The coating is very adaptable and user-friendly.

Short drying time provides optimum benefits of productivity and reduced downtime to both client and contractor. This product is safe and can be easily applied to damp surfaces (no standing waters) and in high humidity.

**RN 500FR** is specifically designed as a topcoat for cementitious fire protection systems.

The coating offers a very high flexibility and crack bridging properties.

The main advantage of the system is its ability to be applied on freshly applied fire protection, hence reducing the down time. The system allows controlled drying out of the substrate whilst offering excellent protection against the elements and UV attack.

**RN 500TC** is ideal as a UV resistant topcoat for epoxy coating systems for tanks, structures in petrochemical, offshore and power generation industry.

**RN 500RC** is specifically designed as a roof coating.

It offers outstanding exterior durability and UV resistance. Long lasting, low temperature flexibility with good resistance to impact.

The coating offers very good adhesion to difficult substrates and excellent protection against carbonation.

## PRODUCT DESCRIPTION

Single pack, water-based, acrylic coating.

## PRODUCT INFORMATION

Colour: Full range.  
Temperature resistance: 80°C maximum (RN 500TC).  
Pack sizes: 5 and 20 ltr (other pack sizes are available on request).

Product	Description	Volume solid (v/v%)	Typical DFT (μ)	Density (g/cc)	Theoretical coverage (m <sup>2</sup> /ltr)
RN 500FR	Fast dry flexible topcoat	52 ± 1	52 - 104	1.4 ± 0.02	5 - 10
RN 500TC	Fast dry semi-gloss topcoat	60 ± 1	30 - 120	1.2 ± 1	5 - 20
RN 500P	Masonry primer	30 ± 1	25 - 50	1 ± 0.01	6 - 12
RN 500RC	Flexible roof coating	62 ± 1	250 - 500	1.45 ± 0.05	1.2 - 2.5

## APPLICATION DATA

Method: Brush, roller or spray.  
Thinner: Not normally required. Can be diluted with water (max. 10%) for spraying.  
Cleaner: Water.  
Pot life: Unlimited.  
Drying time @ 20°C: Touch Dry      Hard Dry      Over-coating Interval  
20 - 30 mins      60 - 90 mins      Min: Hard dry.  
Max: Unlimited.

Additional information: It is not advisable to apply the product at temperatures above 50°C as film formation defects can occur.

## SURFACE PREPARATION

Substrate must be free from oil, grease, dirt, dust and any other contaminates.  
For concrete application it is very important that surface laitance is completely removed.  
For further information, refer to application instruction or consult Chemco sales/technical department.

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## ENVIRONMENTAL CONDITIONS

Recommended (preferable) application conditions:

Surface temperature:	10 - 30°C (minimum 5°C).
Relative humidity:	< 85% RN 500TC
	< 70% RN 500FR
	RN 500P
	RN 500RC

No dew point consideration necessary.  
Good ventilation/air movement would assist efficient drying/curing process.  
Application at high humidity and/or low temperatures will extend drying and curing times.

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## 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.

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## 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 material always replace the lid on the container.

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## SHELF LIFE

At least 12 months when stored in sealed containers at temperatures of not less than 4°C or above 20°C  
At temperatures above or lower, please 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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