

## PRODUCT CHARACTERISTICS

Exceptional protection for combination of high temperature and aggressive chemicals.  
Excellent resistance to high temperatures, thermal ageing, severe chemical, corrosive and abrasive environments.  
Provides a tough impermeable barrier suitable for steel and concrete surfaces.  
Designed for application in high temperature chimneys and chemical processing stacks.  
Provides higher resistance to acids and solvents than other grades of vinyl esters.  
Low maintenance and ease of reparability.

## PRODUCT DESCRIPTION

Two pack vinyl ester system reinforced with screened glassflake.

## PRODUCT INFORMATION

Colour: Standard off-white (other colours available on request).  
Volume solids: 100%  
Cure: Catalyst induced cross-linking polymerisation.  
Temperature resistance: Wet: Continuous (155°C). Atmospheric/Intermittent (175°C).  
Dry: Continuous (180°C). Atmospheric/Intermittent (230°C).  
Pack sizes: 5 and 25 kgs

Product part A	Glassflake size (")	Description	Hardener part B (quantity)	Typical DFT (µ)	Specific gravity (g/cc)	Theoretical coverage	Application method	Equipment required
RF 300	None	Sprayable, light duty vinyl ester without glassflake	HA 300 (1 - 3% V/W)	100 - 300	1.1 - 1.2	4.3 m <sup>2</sup> /kg @ 200µ	Airless spray brush/roller	Pump : 33:1 Tips : 17' - 21' Ideal : 19'
RF 300L	None	Sprayable, hand lay up vinyl ester laminating system	HA 300 (1 - 3% V/W)	100 - 300	0.9 - 1.0	5 m <sup>2</sup> /kg @ 200µ	Airless spray brush/roller	Pump : 33:1 Tips : 13' - 17' Ideal : 15'
RF 300TC	None	Special topcoat vinyl ester system	HA 300 (1 - 3% V/W)	100 - 20	1.1 - 1.2	8.5 m <sup>2</sup> /kg @ 100µ	Airless spray brush/roller	Pump : 33:1 Tips : 17' - 21' Ideal : 19'
RF 308	1/8	Hand applied, heavy duty vinyl ester glassflake	HA 300 (1 - 3% V/W)	750 - 2500	1.2 - 1.3	0.8 m <sup>2</sup> /kg @ 1000µ	Hopper gun brush/roller trowel	N/A
RF 332	1/32	Spray, hand applied medium duty vinyl ester glassflake	HA 300 (1 - 3% V/W)	500 - 1500	1.2 - 1.3	0.8 m <sup>2</sup> /kg @ 1000µ	Airless spray brush/roller trowel	Pump : 74:1 Tips : 33' - 42' Ideal : 36'
RF 364	1/64	Sprayable, chemical resistant lining system vinyl ester glassflake	HA 300 (1 - 3% V/W)	300 - 800	1.2 - 1.3	1.5 m <sup>2</sup> /kg @ 500µ	Airless spray brush/roller	Pump : 63:1 Tips : 27' - 33' Ideal : 31'

## APPLICATION DATA

Thinner: **No thinning agents to be added.**  
Cleaner: S11  
Flow agent/rolling aid: S12  
Retardant: S31  
Recoating interval: Minimum: 2 - 4hrs (touch dry).  
Maximum: Unlimited, preferably within 48 hours.  
Pot life: 20 - 60 minutes.  
Curing time: 24 hours @ 15°C (depending on temperature and other environmental conditions).

## APPLICATION

Constituents: Vinyl ester resin and hardener.  
Brush, roller or trowel: For inaccessible or awkward areas, or when spray application is not required or feasible. For application of RF 308 (largest screened glassflake vinyl ester coating). To obtain correct orientation of screened glassflake particles, use a styrene-dipped roller.

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## 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 > 85%  
Air temperature < 5°C  
Substrate temperature < 3°C above dew point of surrounding air.

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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 the material always replace the lid on the container.

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## SHELF LIFE

At least 6 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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