

PRODUCT CHARACTERISTICS

Excellent resistance to high temperatures, thermal ageing, severe chemical, corrosive and abrasive environments.
Provides a tough impermeable barrier suitable for steel and concrete surfaces.
Suitable for application in high temperature flue gas plant and equipment.
Proven resistance to aviation fuels, methanol/water mixtures.
Low maintenance and ease of reparability.

PRODUCT DESCRIPTION

Two pack vinylester system reinforced with screened glassflake.
Gives a nearly smooth finish that can be made to any colour.

PRODUCT INFORMATION

Colour:	Standard off-white (other colours available on request).
Volume solids:	100%
Cure:	Catalyst induced cross-linking polymerisation.
Temperature resistance:	Wet: Continuous (125°C). Atmospheric/Intermittent (155°C). Dry: Continuous (155°C). Atmospheric/Intermittent (195°C).
Pack sizes:	5 or 20 kgs.

Product Part A	Glassflake size (*)	Description	Hardener Part B (quantity)	Typical DFT (μ)	Specific gravity (g/cc)	Theoretical coverage	Application method	Equipment required
RE 300	None	Sprayable, light duty vinylester without glassflake	HA 300 (1 - 3% V/W)	100 - 300	1.1 - 1.2	4.3m ² /kg @ 200μ	Airless spray brush/roller	Pump : 33:1 Tips : 17' - 21' Ideal : 19'
RE 300L	None	Sprayable, hand lay up vinylester laminating system	HA 300 (1 - 3% V/W)	100 - 300	0.9 - 1.0	5m ² /kg @ 200μ	Airless spray brush/roller	Pump : 33:1 Tips : 13' - 17' Ideal : 15'
RE 364	1/64	Sprayable, chemical resistant lining system vinylester glassflake	HA 300 (1 - 3% V/W)	300 - 800	1.2 - 1.3	1.5m ² /kg @ 500μ	Airless spray brush/roller	Pump : 63:1 Tips : 21' - 27' Ideal : 23'
RE 332	1/32	Spray, hand applied medium duty vinylester glassflake	HA 300 (1 - 3% V/W)	500 - 1500	1.2 - 1.3	0.8m ² /kg @ 1,000μ	Airless spray brush/roller trowel	Pump : 74:1 Tips : 33' - 39' Ideal : 35'
RE 308	1/8	Hand applied, heavy duty vinylester glassflake	HA 300 (1 - 3% V/W)	750 - 2500	1.2 - 1.3	0.8m ² /kg @ 1,000μ	Hopper gun brush/roller trowel	N/A
RE 300TC	None	Special topcoat vinylester system	HA 300 (1 - 3% V/W)	100 - 200	1.1 - 1.2	8.5m ² /kg @ 100μ	Airless spray brush/roller	Pump : 33:1 Tips : 17' - 21' Ideal : 19'

APPLICATION DATA

Thinner:	No thinning agents to be added.	
Cleaner:	S11	
Flow agent/rolling aid:	S12	
Retardant:	S31	
Recoating interval:	Min: 2 - 4hrs	(touch dry).
	Max: 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:	Vinylester resin and hardener.
Brush, roller or trowel:	For inaccessible or awkward areas or when spray application is not required or feasible. For application of RB 308 (largest screened glassflake vinylester coating). To obtain correct orientation of screened glassflake particles, use a styrene-dipped roller.
Airless spray:	Use 3/8" (10mm) hose to maximum 30m [1/2" (13mm) for longer distances] with 1/4" (6mm) whip end. Use as shorter line as possible. Remove all filters from the gun and pump.

SURFACE PREPARATION

All surfaces must be clean, dry and free from oil, grease and all contaminants.	
Residual soluble salt levels:	Must not exceed 25mg/m ² as extracted and measured in accordance with ISO 8502-6 (1995) and ISO 8502-9 (1998) respectively (see application instructions).
Metallic surfaces:	Abrasive blast to Sa 2 1/2 (ISO 8501-1:2007 and surface profile 30-75 (ISO 8503-1/2:1998).
Concrete and other surfaces:	See application instructions.

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.

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 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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