

PRODUCT CHARACTERISTICS

Excellent resistance to severe chemical, corrosive and abrasive environments.
Ideally suitable for caustic alkalis, hypochlorite bleaches and organic solvents.
Superior toughness and excellent mechanical properties.
Very good temperature resistance up to 110°C.
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.
Mix ratio:	Hardener (HA 300) 1% - 3% volume by weight (depending on temperature and other environmental factors).
Typical thickness range:	350 - 1,000 microns per coat.
Theoretical coverage:	1.5m ² /kg @ 500 microns. (Allow for application losses, surface irregularities, etc).
Temperature resistance:	Wet: Continuous (105°C). Atmospheric/intermittent (130°C). Dry: Continuous (130°C). Atmospheric/intermittent (180°C).
Pack sizes:	5 and 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
RA 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'
RA 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'
RA 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'
RA 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 @ 1000µ	Airless spray brush/roller trowel	Pump : 74:1 Tips : 33' - 39' Ideal : 35'
RA 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 @ 1000µ	Hopper gun brush/roller trowel	N/A
RA 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

Method:	Airless spray, roller, brush or trowel.
Thinner:	No thinning agents to be added.
Cleaner:	S11

APPLICATION DATA (Cont.)

Recoating interval:	Min:	30 mins - 2hrs	(touch dry).
Pot life:	Max:	48 hrs	
Curing time:		20 - 60 minutes.	
		24 hrs @ 15°C	(depending on temperature and other environmental conditions).

APPLICATION

Constituents:		Vinylester resin and hardener.
Airless spraying:	Pump:	Minimum 45:1 ratio with a fluid twist tip.
	Tip size:	RA 364 (21 - 27 thou. Ideal 23 thou.) 60° angle RA 332 (33 - 39 thou. Ideal 35 thou.) 60° angle
Brush, roller or trowel:		For inaccessible or awkward areas or when spray application is not required or feasible. For application of RA 308 (largest screened glassflake vinylester coating). To obtain correct orientation of screened glassflake particles, use a styrene-dipped roller. Please refer to application instruction for full details.

LIMITATIONS

Pot life:	Vigilant care and attention to pot life is required during application. If gelling has started, do not apply.
Airless spraying:	Suitable only for coatings reinforced with 0.4mm (RA 364) and 0.8mm (RA 332) screened glassflake particles.

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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