

PRODUCT CHARACTERISTICS

Specially designed for high temperature environments.
It can be applied on cold or hot surfaces (up to 190°C) without the need to shutdown.
Suitable for application to external of pipe work, vessels, chimney stacks, flare stacks, etc., operating at continuous temperatures of up to 550°C (850°C under certain conditions, contact technical department for advice).
This product is fire resistant (class 0).
Excellent chemical resistance combined with outstanding UV and weathering protection.
The product is surface tolerant and can be applied directly on to mechanically prepared surfaces.
It can also be used for internals of vessels and immersed environments in particular circumstances.

PRODUCT DESCRIPTION

Single pack MIO-Zn modified silicon hybrid polymer.

PRODUCT INFORMATION

Colour:	Grey, black.
Volume solids (v/v%):	80 ± 1%
Density:	1.7gms/cc
Cure:	Air dry moisture curing system.
Typical thickness range:	DFT: 40 - 80µ WFT: 50 - 100µ
	Max WFT: 100µ per coat.
Theoretical coverage:	WFT: 10m ² /ltr @ 100 microns. (Allow for application losses, surface irregularities, etc).
Temperature resistance:	Immersed: Contact our technical department.
Atmospheric:	850°C
Pack sizes:	2.5 ltrs in 5 ltr containers.

APPLICATION DATA

Method:	Conventional, airless spray, roller or brush .		
Thinner:	T9 (maximum 10% if required).		
Cleaner:	S11A		
Recoating interval @ 20°C:	Min:	1 hr	(touch dry).
	Max:	12 hrs	
Pot life:	Unlimited.		
Curing time@ 20°C:	24 hrs	(depending on temperature and other environmental conditions).	

APPLICATION

Constituents:	Single pack system.		
Mixing:	There can be settlement of heavy pigments, mix thoroughly to achieve an even consistency.		
Airless spray:	Pump: Minimum 33:1 ratio with a fluid twist tip.		
	Tip size:	(13-15 thou.)	
Brush or roller:	For inaccessible or awkward areas or when spray application is not required or feasible. For best results use 4" foam rollers.		
Restrictions:	Do not apply to wet or damp surfaces or when environmental conditions are outside those specified for the product. Do NOT apply at a WFT higher than 100µ as bubbling could occur.		

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.
Abrasive blast:	Min. Sa 1
Water-jetting:	Min. WJ-3 Please ensure the surface is completely dry. Flash rust is acceptable but no moisture.
Mechanical:	Min. St 2

- * Please note this is a low film thickness product therefore lower surface profile is preferable. Acceptable range 30-50µ
- * Application of multi coats of thin films is preferable with this product; especially on rough or pitted surfaces. Multi coats are possible with short drying/recoating intervals of 1 hour.

LIMITATIONS

Application:	Do NOT apply to wet or damp surfaces or when environmental conditions are outside those specified for the product. Do NOT apply at higher thickness than specified as over thickness would cause severe bubbling. If bubbling occurs, sand down the area and re-apply thin films to achieve the required thickness. Certain high temperature alloys and stainless steel require abrading the surface prior to application to ensure proper adhesion. For further information, contact our technical department.
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ENVIRONMENTAL CONDITIONS

Application should **NOT** be carried out when:-

Relative humidity is >70%
Air temperature < 5°C
Substrate temperature < 3°C below dew point of surrounding air.
Good ventilation and airflow is required at all times to achieve satisfactory curing.

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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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 properly.
Periodically check the container for signs of pressure build-up, carefully remove the locking clamp whilst keeping it under pressure and then release lid gently and slightly.
Reseal immediately. Please ensure full PPE including full face mask is used.

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, refer to manufacturer for advice.

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