Khemix™
THE MAINTENANCE SOLUTOR
http://www.alspec.com

430 BITUMENOUS "HOT-WET" RESISTANT PRIMER/FINISH

PRODUCT DATA:

- ***Excellent Anti-Corrosive Property***
- ***Easy application property by brush, roller or spray***
- ***Good resistance to chemicals, abrasion and weather***
- ***Low permeability and waterproof to moisture and steam***
- ***Most suitable use as a finish coating for surfaces for in contact with fresh or salt water***

PRODUCT INFORMATIOM

Designed to provide continuous immersion in water or steam between 93ºC to 540ºC. Anti-corrosive coating for boiler drums, tubes, evaporators and other equipment subjected to high temperature.

APPLICATION:

PRACTICAL APPLICATION RATES

Micron Per Coat	Airless Spray	Conventional Spray	Brush	Roller
Dry	40	40	40	40
Wet	100	100	100	100

AVERAGE DRYING TIME

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		Potlife
			Minimum	Maximum	
15ºC	12 hours	* See Below	32 hours	Indenfinite	14 days
25ºC	6 hours		16 hours	Indenfinite	14 days
35ºC	4 hours		12 hours	Indenfinite	14 days

** This coating will hard dry when the water temperature is taken to 100ºC for 5 hours.*

Application Method Brush/Roller, Conventional Spray.

Mixing Ratio (by volume) 4 Parts Resin to 1 Parts Cure.

Thinner Thinner No. 1. (Maximum 5% addition)

Airless Spray May be used. (Ensure no overapplication)

Nozzle Size : 0.28-0.38mm (11-15 thou)
Fan Angle : 65º
Operating Pressure : 110-160 kg/cm² (1800-2300 psi)

Conventional Spray

Nozzle Size : 1.27mm (50 thou)
Atomising Pressure : 3.5 kg/cm² (50 psi)
Fluid Pressure : 0.7-1.0 kg/cm² (10-15 psi)

Brush/ Roller This product is suitable for brush/roller application. Application of minimum two coats to give an even application and ensure consistent performance


Application Method

65° Spraying Tip


Pratice Proper Cleaning

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APPLICATION CONDITIONS AND OVERCOATING

This product should preferably be applied at temperature in excess of 10ºC, In conditions of high relative humidity i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3ºC above the dew point.
At application temperature below 10ºC, drying and curing time will be significantly impaired. **Application at temperature below 5ºC is not recommended.**
This product is not suitable when surface temperature is above 52ºC. Use parapex No. 1 instead. Do not overcoat this product with other finishes as this product has the tendency to bleed and also not suitable for portable water tanks application.
If it is desired to overcoat outside the times stated on the data sheet, please seek advice from Alspec representative.

PHYSICAL DATA:

Volume Soild	40%
Theoretical Coverage	10 m²/litre @ 40 microns DFT
Type	2 components
Packing Ratio	4 parts Resin : 1 part Cure
Colour Availability	Black
Flash Point	38ºC
Recommended Thickness	40 microns DFT
Recommended Thinner	Thinner No. 1

SURFACE PREPARATION:

Steel : Remove all wax, oil and grease by solvent cleaning in accordance with the guideline given by SSPC-SP1.
Soluble salt, dirt and dust must be removed prior to coating, Dry brushing should be suffiecient. A fresh water wash must be followed to remove all soluble salts.
Mechanically clean the surface using hand and power tools to a minimum standard of St.2 (ISO8501-1:1988) or SSPC-SP2 to avoid polishing the surface.
Concrete : To surface is sound prior to coating. Remove laitance by thorough wire-brushing, acid etching or sweep blasting. Blowholes and other defects should be filled.