

PRODUCT CHARACTERISTICS

Multi-purpose, odour free satin/matt finish epoxy coating with exceptional chemical resistance. Suitable for application in environments where solvents would be hazardous or have a detrimental affect upon the operating process or products and where a gloss finish would be unacceptable. Safe, easy to use coating, which does not yellow (good UV resistance) formulated for internal and external use. The coating is very adaptable and user-friendly, long pot life and short drying time provides optimum benefits of productivity and reduced downtime to both client and contractor. The coating can be applied to concrete, metal, wood, stone and ceramic surfaces. Recommended for hospitals, public utilities, food processing industry (e.g. abattoirs) and clean-rooms (particularly electronics industry).

PRODUCT DESCRIPTION

Two pack water-based epoxy coating.

PRODUCT INFORMATION

Colour:		Standard white, (other colours available on request).
Volume solids (v/v%):		60 ± 2%
Temperature resistance:	Max:	120°C. (may affect colour).
Mix ratio:		Mix part A (resin RX 500MT) and part B (hardener HX 500MT) in proportionate weights as supplied.
		5 kgs 20 kgs
	RX 500MT (Part A):	1.14 4.54
	HX 500MT (Part B):	3.86 15.46
Typical thickness range:		60µ dft from 100µ wft.
Theoretical coverage:		12m ² /kg approx. (dependent on surface roughness, porosity and complexity of structure).
Pack sizes:		5 and 20 kgs (other pack sizes available on request).

APPLICATION DATA

Method:		Airless spray, brush or roller.
Thinner:		Clean water (maximum 10%).
Cleaner:		Clean water.
Over-coating interval:	Min:	4 - 12 hrs (depending on temperature).
	Max:	Unlimited.
Pot life @ 20°C:		2- 3 hrs
Drying time @ 20°C:		<u>Touch Dry</u> <u>Hard Dry</u>
		30 - 40 mins 4 - 8 hrs

APPLICATION

Constituents:		Two pack epoxy system consisting of base resin and hardener.
Mixing:		Part A (resin) and part B (hardener) are supplied in separate containers. Mix Part B prior to addition of Part A in proportionate weights as supplied. Part mixing is not recommended unless accurate scales are available.
Airless spray:		Contact Chemco technical department.
Brush or roller:		Preferred method of application.

SURFACE PREPARATION

All surfaces must be free from loose or flaking paint and thoroughly degreased.

Concrete surface should be abrasive blasted or acid etched to ensure all laitance is removed, Chemco cleaner S80 is suitable.

Steel substrates should ideally be blasted to minimum Sa 2½.

For areas that cannot be blasted, the surface should be free of loose rust and treated with suitable product from the Chemco Rust-fix™ range.

For further information refer to application instruction or consult Chemco sales and technical department.

LIMITATIONS

Pot life:

Apply the mixed components within the given pot life.

No visible physical change takes place when pot life has expired.

It is essential that applicator monitors pot life time and has a copy of the general information data sheet to hand when coating.

Mixing:

Part **A** (resin) and part **B** (hardener) are supplied in separate containers. * Mix part **B** prior to addition of part **A**.

Part mixing is **not** recommended unless accurate scales are available.

Mix thoroughly using a mechanical mixer to achieve an even consistency.

* (Please note, this system is different as part B is filled).

ENVIRONMENTAL CONDITIONS

Ideal environmental conditions for application are: -

Temperature:

10 - 30°C.

Relative humidity:

< 70%.

Good ventilation and airflow is required to effect satisfactory curing. (Outside these conditions, please consult the manufacturer).

Application at high humidity and/or low temperatures will extend drying and curing times.

Note:

When applying on hot surfaces at 30°C or above, there is no humidity limitation.

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 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.

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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