

EPICON T-500

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CODE: 375001

REVISION : 01

DATE: 06 June 2016

GENERAL DESCRIPTION:

Pure Epoxy Coating – High Build (Food Grade Epoxy)

USES AND PROPERTIES:

Epicon T-500 is a high build type epoxy coating, has excellent physical properties such as adhesion, toughness, abrasion resistance, etc. as well as chemical resistance to salt-water, fresh water, petroleum products, crude oil, alkalis and weak acids. It is suitable as a protective coating for tank interiors. Airless spray can build a dry film thickness of 75 – 125 microns per coat.

It is suitable as a protective coating for concrete floors at factories where liquid and solid foods are manufactured. Coating can be used for cold storage facilities.

TECHNICAL DATA:

Type	Epoxy Floor Coating, high-build.				
Mixing ratio	Base : Hardener = 79 : 21 (by volume)				
Colour	Light Grey, White.				
Specific gravity	1.35				
Flash Point	Base : 13,0°C ; Hardener : 15,5°C				
Solids by volume	55%				
VOC	423g/l				
Coverage (theoretical)	0,136 – 0,227 L/m ²	7.4 – 4.4 m ² /L			
Coverage (Practical)	0,192 – 0,323 L/m ²	5.2 – 3.1 m ² /L			
Wet film thickness	5,4 – 9,1 mils	; 136 – 227 microns.			
Dry film thickness	3,0 – 5,0 mils	; 75 – 125 microns.			
Drying time	Temperature	: 5°C	10°C	20°C	30°C (@ D.F.T. 125µm).
Surface dry		3,5 hrs	2,5 hrs	1,5 hrs	0,5 hrs
Hard dry		36 hrs	24 hrs	12 hrs	6 hrs
Painting interval	Minimum	: 36 hrs	24 hrs	12 hrs	6 hrs (@ D.F.T. 125µm)
	Maximum *	: 10 days	10 days	7 days	5 days
Pot life		10 hrs	7 hrs	5 hrs	3 hrs
Thinner	Epicon Thinner				
Method of application	Airless spray, brush or roller.				
Condition of application	Temperature: Minimum 5°C		Humidity: Maximum 85% R.H.		
For Airless Spray	Tip No. : GRACO 619, 621				
Paint output pressure	150 – 180 kg/cm ²				
Viscosity	10 – 15 poise				
Thinning	0 – 5% by volume.				
Preferable preceding coats	Epicon T-500				
Preferable subsequent coats	Epicon T-500				
Packing	Two pack product				

Coverage/spreading rate of **Epicon T-500** depends largely on the condition and porosity of the substrate being painted and manner in which the product is applied.

APPLICATION:

Correct surface preparation is essential for good product performance and all surfaces should be prepared as per the standard Dekro Preparation Specifications. Copies of these are available on request from your Dekro Paints or can be downloaded from our website.

Do not apply when ambient temperatures are $<4^{\circ}\text{C}$ or $>40^{\circ}\text{C}$.

After correct surface preparation, prime with the required primer, then stir thoroughly and apply a minimum of 2 coats of **Epicon T-500** by brush, roller or spray at the specified spread rate. Allow to dry between coats.

* Drying time and painting interval shown above are effective for fresh water tank coating only.

* Special washing procedure when this product is used in tanks for potable water: After the paint is cured (see drying/curing time above), the tank shall be ventilated with warm air, min 23°C for 7 days. Then the tank is to be filled once with warm water (min 50°C), water shall remain in the tank for 24 hours. Finally, the tank is washed, using detergent together with brushes and then rinsed again with fresh water.

* Maximum painting interval is 3 days at 20°C when it is exposed outdoors

SAFETY INSTRUCTIONS

Always keep out of reach of children and animals.

Wear a suitable dust mask and goggles when preparing surfaces.

Ensure good ventilation during application and drying.

If accidental contact with skin, wash immediately with soap and water or a recognised skin cleaner.

If accidental contact with eyes, rinse immediately with plenty of water and seek medical advice.

Harmful if swallowed. Seek medical attention and do not induce vomiting.

GENERAL:

Different surfaces and environmental conditions require specific painting systems to produce the best possible results.

It is therefore recommended that you contact a Dekro Sales representative for advice on all your painting requirements whenever possible.

PREVENTING PROBLEMS AND GENERAL INFORMATION

IMPORTANT: Substrates must be dry before painting and should not exceed a moisture content of 10% as measured with a Protimeter Surveymaster Moisture Meter or equal. The ambient temperature must be between 10°C and 35°C and humidity between 10% and 85%.

Excessive application thickness and/or rapid drying could lead to mud cracking.

Avoid applying under adverse weather conditions as this could result in poor product performance.

Work from corner to corner, or from a natural cut off point to another.

Do not attempt touch ups, but redo complete panels.

Always keep a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture.

To ensure consistent appearance ensure that the batch numbers on all containers used are the same. Where batch numbers on containers differ, intermix before use.

CLEANING, STORAGE AND DISPOSAL:

Remove as much paint as possible from application equipment and wash immediately after use with water. Close containers tightly after use and store in a cool well-ventilated area.

Do not empty contents or wash water into drains or water courses.

When disposing please follow local authorities regulations and recycle the container after use.

The technical data furnished is given to the best of our knowledge based on controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven product fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.