



CODE: 388001

REVISION: 03

DATE: 20 April 2023

# UMEGUARD SX

## Product Description

**UMEGUARD SX** is a modified epoxy paint and can be used as a self-priming paint. It has the following advantages:

1. Minimizes surface preparation works.
2. May be applied over most aged anti-corrosive coating systems.
3. Various subsequent coats are applicable.
4. Excellent resistance for petroleum products, water, salt water and selected chemicals.
5. Excellent physical properties such as adhesion, toughness, impact and abrasion resistance.
6. Easy application to corroded areas where optimum pre-treatment is not practical.

## Product Information

<b>Type</b>	High build modified epoxy coating as primer and topcoat				
<b>Recommended Use</b>	Cargo hold, inside and outside of accommodation space, void space, cofferdam, engine room, external pipe line, other steel structures, etc.				
<b>Mixing Ratio</b>	Base : Hardener = 73 : 27 (by volume)				
<b>Colour</b>	Black, Green CS514, Green CS518, Grey, Red Brown, White				
<b>Flash Point</b>	Base : 23.5°C Hardener : 27°C				
<b>Volume Solids (VS)</b>	58 ± 2 %				
<b>VOC</b>	389 G/l (EPA Method 24)				
<b>Coverage (Theoretical)</b>	11.1 - 3.85 m <sup>2</sup> /l				
<b>Wet Film Thickness</b>	86 - 259 μm				
<b>Dry Film Thickness</b>	50 - 150 μm				
<b>Drying Time</b> (at D.F.T. 100 μm)	Temperature	10°C	20°C	30°C	40°C
	Surface Dry	1.5 hrs	1 hr	30 mins	15 mins
	Hard Dry	20 hrs	14 hrs	10 hrs	7 hrs
<b>Painting Interval</b> (at D.F.T. 100 μm)	Minimum	20 hrs	14 hrs	10 hrs	7 hrs
	Maximum	-	-	-	-
<b>Pot Life</b>		12 hrs	8 hrs	5 hrs	3 hrs
<b>Thinner</b>	Epoxy Thinner A				
<b>Method of Application</b>	Airless spray, Roller, Brush				
<b>Condition of Application</b>	Temperature	: Minimum 10°C			
	Humidity	: Maximum 85 % R.H.			
	For Airless spray:				
	Tip No.	: GRACO 623			
	Paint output pressure	: 14.7 - 17.7 MPa			
	Viscosity	: 100 sec (Ford Cup No. 4)			
	Thinning	: 0 - 15 % by volume			
<b>Recommended Surface Preparation</b>	Steel : Blast cleaning to Sa 2½ (ISO 8501-1), St-3 Anchor profile 30-65 μm are recommended for the highest performance.				

### Product Information (continued)

<b>Preferable Preceding Coats</b>	Bannoh 500 R, Bannoh 1500 R Z
<b>Preferable Subsequent Coats</b>	Epicon Marine Finish, Unymarine, Acri 700 Finish
<b>Packaging</b>	Two pack product
<b>Pack Size</b>	5 litre, 20 litre
<b>Shelf Life at 25°C</b>	Base 24 months, Hardener 24 months, In unopened container

### Notes

1. As the nature of epoxy coatings, **UMEGUARD SX** cannot avoid chalking and fading on sunlight exposure.
2. The maximum recoat time is limited.
3. The surface must have a clean, dry surface free of chalk, etc.
4. Safety period should be coated within 30 days' interval.

### Technical Data (at 100µm)

Item	Temp (°C)	-5	0	5	10	15	20	25	30	35	40
		<b>Set to touch</b>	-	-	4.5H	3.5H	3H	2.5H	2H	1.5H	1.2H
<b>Dry to recoat</b>	<b>Min.</b>	-	-	44H	27H	21H	17H	14H	12H	10H	8H
	<b>Max.</b>	-	-	-	-	-	-	-	-	-	-
<b>Dry to hard</b>		-	-	44H	27H	21H	17H	14H	12H	10H	8H
<b>Dry to immerse</b>	<b>Body</b>	-	-	-	-	-	-	-	-	-	-
	<b>Touch-up</b>	-	-	-	-	-	-	-	-	-	-
<b>Dry to Touch-up</b>		-	-	44H	27H	21H	17H	14H	12H	10H	8H
<b>Pot life</b>		-	-	24H	14H	10H	8H	6H	5H	4H	3H
<b>Shelf life (M)</b>		-	-	12M	12M	12M	12M	12M	12M	12M	12M
<b>Max. heat resistance (Dry)</b>	Non-continuous: 100°C										

Abbreviations: Y : Year, M : Month, D : Day, H : Hour, m : Minute

### 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 nearest Dekro Paints branch and/or stockist or can be downloaded from our website.

### 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.



### **Safety Instructions (continued)**

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.

Technical Data Sheet

The technical data furnished is given to the best of our knowledge and 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.