DURA-COAT

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OX

DESCRIPTION AND RECOMMENDED USES

Dura-Coat OX is a 100% solids epoxy coating that incorporates nanotechnology to encapsulate iron oxide and contains corrosion inhibitors. This innovative formulation allows for direct application over metal surfaces with active corrosion, requiring only mechanical cleaning to St2 grade. It offers excellent chemical resistance in environments with the presence of caustics and acids. It is easy to apply using a brush, roller, or airless spray equipment.

- Can be applied up to 350 microns without sagging
- Suitable for any substrate, including steel, bronze, aluminum, and concrete
- Ideal for protection against corrosion and chemical attack

PACKAGES

	SIZE	GRAY	WHITE	YIELDS
OPTION	2 GL	OX-G2	OX-W2	21,4m²

APPLICATION AREAS

- Centrifugal pumps
- Fans
- Flotation cells
- Heat exchangers
- Impellers
- Metal structures
- Pipes
- Reactors
- Tanks
- Valves
- Water boxes
- Many others

TECHNICAL DATA

Maximum Temperature (dependent on service)	Wet Service Dry Service	120°C 200°C	248°F 392°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Solids by Volume		100%	
Mixed Density		1.25	
Shore D Durometer Hardness	(ASTM D 2240)	84	
Pot Life		40 min / kg at 72°F	
Vertical SAG Resistance at 21°C (70°F) and 0.350 mm (25mils)		No sag	
Coverage for 2 GL Kit	230sf@14mils	21.4m²@0.35mm	
Mix Ratio	2:1 by weight		Base: Activator
Color	Gray or white. Other colors contact the manufacture		
Shelf Life (unopened containers)	3 years at 55-95°F (13-35°C)		

DURA-COAT OX

SURFACE PREPARATION

Proper surface preparation is essential to ensure the long-term performance of this product. The required level of preparation will depend on the severity of the service, the expected durability, and the original condition of the substrate. All sharp edges and weld seams must be ground to a 3 mm (120 mil) radius using an abrasive disc.Dura-Coat OX is a nanotechnology-based, surface-tolerant coating that allows for minimal surface preparation, accepting mechanical cleaning to St2 grade. This preparation is typically achieved through initial cleaning and degreasing, followed by mechanical methods or high-pressure water jetting.

MIXING

Thoroughly mix the activator into the base using a mixing stick, scraping the sides and bottom of the container. Mix at a ratio of 2 parts Base to 1 part Activator by weight. Blend thoroughly until the material is uniform and free of streaks. Never add solvents.

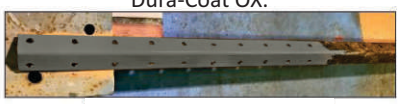
CURED TIME

	16°C (60°F)	25°C (77°F)	32°C (90°F)
TACK FREE	4 hours	2 hours	1 hour
LIGHT LOAD	6 hours	4 hours	3 hours
OVERCOAT END	10 hours	8 hours	4 hours
FULL LOAD	14 hours	16 hours	8 hours
FULL CHEMICAL	36 hours	24 hours	18 hours

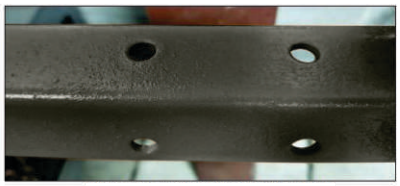
APPLICATION

Brush: A medium to stiff bristle brush of good quality is recommended to prevent bristles from shedding and getting stuck in the coating. Brushes with epoxy-set bristles provide the best results. For trimming or small areas, masking tape with a nap of less than 1" can be used.
Roller: A high-quality roller with a 1/8" nap should be used.

Severe corrosion prior to applying Dura-Coat OX.



Dura-Coat OX applied over corrosion.



Dura-Coat OX applied over corrosion.

APPLICATION TEMPERATURE

Maintain temperatures between 55 and 95°F (17 to 35°C). The substrate should be kept between 45 and 105°F (7 to 40°C). The temperature difference between the substrate and the material should never exceed 10°F (5°C). The substrate must be at least 5°F (3°C) above the dew point. Do not apply if the relative humidity exceeds 90%.If necessary, preheat the metal before surface preparation using an electric heater or heat lamp. Never use gas, oil, or kerosene heaters, as they will leave an oily residue on the metal surface. For best results, keep all materials in a warm area overnight (75°F or higher) to ease mixing.

CLEAN UP

Tools must be immediately cleaned after usage by using industrial alkaline detergent.

SAFETY

Before using any products, review the appropriate Safety Data Sheet (SDS) or Safety Sheet for your area. Follow standard confined space entry and work procedures, if appropriate.

+1 (561) 757-5620 | dura-coat@dura-coat.net | www.dura-coat.net | 12481 NW 44th Street Coral Springs, Florida, 33065, USA