



W-POXI ICI 305

PRODUCT DESCRIPTION			Epoxy coating that acts as a high-performance fire barrier for all types of steel structures. It is a sublimating, intumescent and fire-retardant coating, offering extremely high effectiveness in industrial hydrocarbon fires.		
RECOMMENDED USE			Coating for passive fire protection of high-risk structures and facilities. Suitable for protection against hydrocarbon fires and situations involving exposure to intense fire, including Pool Fire and Jet Fire.		
CERTIFICATIONS AND APPROVALS			Complies with IMO RESOLUTION MSC.307(88) - Part 2.		
PACKAGING			Component A	0.95 US gal Package containing 0.63 US gal	
			Component B	0.95 US gal Package containing 0.32 US gal	
CHARACTERISTICS			Color	Gray.	
			Volume Solids	79 ± 3% (ISO 3233)	
			Shelf Life	24 months	
			Dry Film Thickness	9.8 mils - 19.7 mils	
			Theoretical Coverage	1 without dilution at a dry film thickness of 14.8 mils. Loss factors during application are not considered.	
DRYING			Drying	68 °F	
			Touch	3 hours	
			Between coats	24 - 48 hours	
			Full drying	168 hours	
SURFACE PREPARATION			Standard Surface Preparation The performance of this product is related to the degree of surface preparation. In case of doubts, for more information, consult WEG's Technical Department. Prepare the steel surface by abrasive blasting to SSPC-SP-10 near-white metal standard (ISO 8501-1 Sa 2½), with an anchor profile in accordance with ISO 8503, medium G grade, from 1 to 3 mils. For repairs, manual or mechanical cleaning in accordance with SSPC-SP 2 or SSPC-SP 3 may be used. The surface must be free of dust, grease, salt residues and other contaminants.		
APPLICATION PREPARATION			Mixing	Mix 2 A × 1 B by volume using a power mixer until a homogeneous mixture is obtained.	
			Mixing Ratio	By volume: 2 A x 1 B.	
			Thinner	EPOXY DILUENT 3005	
			Dilution	Depending on the application method, dilute to a maximum of 10%.	
			Pot Life	1 h The shelf life of the mixture is reduced as the ambient temperature increases. The pot-life test of the mixture is carried out according to	



ABNT NBR 15742; however, different volumes of paint prepared at once, combined with varying ambient and paint temperatures, will affect the mixture's shelf life, potentially resulting in outcomes different from those stated in this technical bulletin.

APPLICATION METHODS

Conventional Spray Gun

Conventional spray gun or with roller.

Airless Spray Gun

Apply using high-pressure airless spray equipment with a 10:1 pressure ratio, an air-assisted spray gun and a No. 4 (1/4") tip. For larger projects, use suitable spray equipment for passive fire protection.

Roller

Use a short-haired, seamless wool or synthetic roller for epoxy paints.
Consult the WEG Technical Department for further information.

Brush

For application with brush and/or roller, it may be necessary to apply two or more coats to achieve a uniform layer and the recommended film thickness.
Create porosity in the paint to be removed using 80-grit sandpaper to improve the product's efficiency. Then, apply the remover with a brush or spatula, spreading it over the entire surface. Wait 5 to 15 minutes and scrape off the wrinkled paint using a spatula. If necessary, repeat the application until the paint is completely removed. After product removal, wash the part with water and soap, then dry and clean with a degreasing solution.

Cleaning of the equipments:

EPOXY DILUENT 3005

APPLICATION PERFORMANCE

For coatings applied in coastal areas exposed to sea spray, it is recommended to wash with fresh water between coats to remove deposited impurities.

Light colors may require more than one coat to achieve uniform coverage.

Do not apply the product after the pot life has been exceeded.

SAFETY PRECAUTIONS

Product developed for industrial use intended for handling by qualified professionals. Carefully read all information contained in the SDS of this product, available at: www.weg.net.

Store in a covered and well-ventilated place. Keep the container tightly closed and away from sources of heat or ignition.

Use only in well-ventilated areas, avoiding the accumulation of flammable vapors. Keep the product away from heat and sources of ignition.

Do not inhale mists/vapors/aerosols generated during handling and/or application. Use protective gloves/protective clothing/eye protection/face protection.

Empty containers and materials with paint residues must be disposed of according to current legislation. Take care of the environment.

NOTE

The information contained in this technical bulletin is based on the experience and knowledge acquired in the field by WEG's technical team.

In the event of using the product without prior consultation with WEG regarding its suitability for the purpose for which the customer intends to use it, the customer acknowledges that the use will be at their own exclusive responsibility, and WEG is not liable for the behavior, safety, suitability, or durability of the product.

Some information mentioned in this bulletin is only an estimate and may vary due to factors beyond the manufacturer's control. Therefore, WEG does not guarantee and assumes no responsibility for performance, efficiency, or any material or personal damages resulting from the incorrect use of the products in question or from the information contained in this Technical Bulletin.

The information contained in this technical bulletin is subject to periodic modifications, without prior notice, due to our policy of continuous improvement and evolution of our products and services, providing quality solutions to meet the needs of our customers.