

PRIMER VINYL ESTER BASE

DESCRIPTION

Epoprimer D is a bicomponent low viscosity primer, based on ester-vinyl epoxy resin and polymerization promoters, flexibilizers, alkalinity neutralizing additives and stabilizers, developed for use on new and old concrete and blasted carbon steel surfaces.

APPLICATIONS

- ✓ New or old concrete surfaces;
- ✓ Blasted carbon steel substrate;
- ✓ Primer for Glass Flake, Glass Shield and Shieldcote anticorrosion systems;
- ✓ Primer for FRP surfaces;
- ✓ Internal and external application in tanks and equipment in general in the paper and cellulose, chemical and petrochemical industries.

BENEFITS

- ✓ Anticorrosive;
- ✓ Effectively seals the surface;
- ✓ Compatible with the alkalinity of concrete;
- ✓ High penetrating power in concrete pores;
- ✓ Provides better adhesion of the anticorrosive coating to the steel and concrete substrate;
- ✓ It decreases the probability of rupture by shear stresses in concrete.

PROPERTIES AT 25° C

Pot Life	20 to 30 minutes
Mixing ratio (in mass): Resin / Catalyzer	100 : 1.5
Dry to the touch	2 to 3 h
Minimum overcoating interval:	4 h
Maximum overcoating interval:	48 h
Number of layers:	1 to 2
Wet film thickness:	50 to 100 µm
Practical consumption:	250 - 330 g/m ² per layer

ENVIRONMENT CONDITIONS

Minimum application temperature:	10° C
Maximum application temperature:	40° C
Maximum relative air humidity:	85%

PACKAGE

PACKING

Epoprimer D	4 kg Gallon 18 kg Bucket 100 kg e 200 kg Drums
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CONSUMPTION

Epoprimer D	250 - 330 g/m ² per layer
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INSTRUCTIONS FOR USE

SURFACE PREPARATION

Concrete:

- ✓ Concrete surfaces must be blasted. Immediately after blasting, the residual abrasive must be removed completely by aspiration or with a jet of compressed air and a stiff bristle brush.
- ✓ The new concrete must be fully cured (minimum 28 days) before application of the primer.
- ✓ The relative surface moisture content of the concrete should not exceed 5%.

Steel:

- ✓ Steel structures must be prepared by abrasive blasting to almost white metal, Sa 2½ of the standard SIS 05 5900-67, ISO 8501-1 or NACE 2.
- ✓ Immediately after blasting, remove residual abrasive from the surface by aspiration or with a dry compressed air jet and nylon brush.

APPLICATION

Mix Part A (resin) and Part B (catalyzer) of Epoprimer D using a helical propeller coupled to a low speed drill.

Concrete:

- ✓ Epoprimer D should be applied in one or two layers, depending on the degree of absorption of the concrete surface, in order to obtain a wet film thickness of 50 to 100 µm, reaching a practical consumption of 250 to 350 g/m² per layer, depending on the state and porosity of the concrete.
- ✓ The application of Epoprimer D can be done with a brush and a low wool roller.

Steel:

- ✓ Epoprimer should be applied in a 100 µm layer by brush and low wool roller.

CLEANLINESS

Immediately after use, Epoprimer D must be removed from tooling and equipment using Solvent LP. The hardened material will only be removed mechanically.

STORAGE

Keeping Epoprimer D in a dry place, protected from the sun and other sources of heat and in the original sealed packaging, its life in the container (Shelf Life) at 25°C is 3 months.

SAFETY

HEALTH AND SAFETY AT WORK

Avoid all contact with skin or eye. The environment during the application should be well ventilated to reduce inhalation of vapors. Workers should wear adequate breathing apparatus in confined spaces. Open flames, welding operations and any other spark inducing activity are not permitted near the work area. Smoking should not be allowed.

Some people are sensitive to contact with resins, catalysts and solvents. To avoid discomfort all workers should wear gloves and goggles at all time when there is a possibility of spillage or any other contact with these products. The use of protective creams is encouraged as added protection. Over sensitive personnel showing any sign of discomfort should be removed from the work area.

Resin spillage / drippings on the skin can be removed with soap and water. In case of contact with the eye, wash thoroughly for 15 minutes with clean water and get medical help. Medical assistance is required in case of accidental ingestion. Do not induce vomiting.

ADDITIONAL INFORMATION

Oro produces and sells a large variety of products designed to protect steel or concrete substrates against corrosion. Our product line includes coatings and linings, special paints, and products used in surface treatment.

We also carry a complete line of auxiliary products like grouts, anchoring systems, carbon fibers and a complete system solution to the problem of the structural rehabilitation of steel or concrete structures.

Please call us for further information about our products, tutorial videos and technical brochures..



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The custom designed and made to order products manufactured by Oro are all produced and supplied with information to ensure the correct use of the products. However, since we do not have control over the crew and the conditions under which our products are applied, we cannot assume any liability for their misuse or misapplication.