



## Primers

# ALL in ONE EPOXY PRIMER P-76

## Technical Data Sheet

Reviewed: 14.07.2024

### DESCRIPTION

**ALL in ONE EPOXY PRIMER P-76** is a heavy-duty, marine grade, two component anticorrosive epoxy primer with multiple applications. It has excellent durability, deep penetration and excellent anticorrosive properties. Its modified epoxy resins improve the adhesion of topcoats and provide unique protection to the substrate from osmosis (polyester and epoxy boats), corrosion (metal surfaces). It also reinforces and protects cementitious surfaces from adverse weathering conditions (primer). It is ideal for industrial use when maximum performance is required.

### ADVANTAGES

- Excellent adhesion
- Prevents osmosis
- High anti-corrosive & anti-rust protection
- High mechanical strength and chemical resistance
- High resistance to high temperatures
- High resistance to moisture and frost
- Does not crack
- Suitable for axles and propellers

### APPLICATIONS

- Primer and Anticorrosive protection of metal and aluminum structures exposed to corrosive conditions above and below waterline.
- Primer and Antiosmosis protection of GRP/FRP structures exposed to corrosive conditions above and below waterline.
- Primer of wooden structures above and below waterline.
- Enhances the adhesion of the topcoat.
- Excellent as bonding layer between old and new polyurethane topcoats (ex. **X-88**) or antifouling paints (ex. **YFALON**).

### INSTRUCTIONS FOR USE

#### Surface Preparation

1. Surfaces should be dry, clean and free from dust, oil and friable residues. Degrease new metal surfaces with **DIL X 100** solvent.
2. Surfaces should not be cleaned with water. They should be brushed, scrubbed or sand blasted (Metal – Sa2½) instead.
3. If there are any cracks or openings, they should be spotted and filled using epoxy putty **EPOXITE CONSTRUCT** or **EPOXITE LIGHT FILLER**.
4. Sand with #120 - #180 grit all epoxy putty patches. Remove dust.
5. New cementitious substrates should be allowed to dry for at least 28 days.
6. Substrate humidity should not be over 4%.

#### Mixing

1. A (resin) and B (hardener) components are already packed in separate containers with a preset mixing ratio. Any modification of the mixing ratio will result in improper polymerization of the mixture.
2. B component should be added completely in component A.
3. The two components should be mixed for about 3 - 5 minutes using a low-speed mixer.
4. It is important to stir the mixture thoroughly near the sides and the bottom of the container to achieve uniform dispersion of the hardener.

### Application

1. **ALL in ONE EPOXY PRIMER P-76** should be applied in one, two or more coats if required, using a roller, brush, spray or airless spray. Wait 8 hours to dry between coats.
2. Allow the last coat to dry for 24 hours and slightly sand the surface. Clean with **DIL X 100** solvent, wait for the surface to dry completely and apply the topcoat, either polyurethane 2 pack coating **X-88**, antifouling paint **YFALON** or other appropriate 2 pack epoxy-based coating.

### REMARKS

- The ideal temperature for applying epoxy coatings is between +15°C - +25°C. In lower temperatures (<+15°C) delayed hardening is observed while in higher temperatures (>+30°C) curing is accelerated. It is advised to store the product in room temperature between +15°C - +25°C prior to mixing.
- Substrate's temperature must be at least 3°C above dew point.
- Bonding between successive layers may be severely affected by the intervention of moisture or dirt.
- Primed surfaces should be protected from moisture until dry. Moisture may induce unwanted effects during hardening. Discolored or sticky parts of the surface should be removed by grinding or milling and laid again.
- **ALL in ONE EPOXY PRIMER P-76** contains solvents. Ventilate adequately the working area. It is advised to use protective gloves and mask suitable for solvents.
- Do not apply **ALL in ONE EPOXY PRIMER P-76** over any conventional 1 pack products without making a compatibility check first.
- For optimum adhesion over plywood and metal apply the first coat with brush, thinned 20% with **DIL X 100** solvent.
- Do not apply wet-in-wet.
- Do not apply excessive wet films to avoid the formation of curtains and drying problems.
- Avoid applying in direct sunlight or too much wind.
- Before using the product consult the **SAFETY DATA SHEET**.

### CLEANING

Clean tools immediately after use with **DIL X 100** solvent

### COVERAGE

125 gr/m<sup>2</sup>/coat, 40µm dry film thickness

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### TECHNICAL DATA

**Base:** epoxy and polyamide resins

**Form:** Low viscosity liquid

**Color:** Gray

**Finish:** Satin

**Odor:** Characteristic – Solvent

**Mixing Ratio w/w:** A:B = 4:1

**Specific gravity:** 1,40 ± 0,05 kg/Lt

**Recommended WFT:** 87 – 218µm

**Recommended DFT:** 40 – 100µm

**Hardening temperature:** +10°C to +35°C

**Mixture Pot Life:** About 4 hours (+25°C)

**Touch dry:** 2 hours (+25°C)

**Recoating:** 8 hours (+25°C)

**Walkability:** 24 hours (+25°C)

**Recoatible:** 12 – 24 hours (+25°C)

**Full cure:** 7 days (+25°C)

**VOC (Volatile Organic Compounds):** EU limit value for this product (cat. A/j): 500 gr/Lt (2010). This product (A+B mix) contains max 498 gr/Lt VOC

### STORAGE

Products should be stored in a dry and cool place at a temperature of 5°C – 35°C, away from sources of ignition. Protect from humidity and direct sunlight.

### SHELF LIFE

24 months from the production date in the above mentioned storage conditions. The product should remain in the original unopened packaging bearing the manufacturer's batch number.

### PACKAGING

SET A+B of 1kg, 4kg, 12kg

PACKAGING	CODE	BARCODE
GRAY		
SET 1kg	7296	5204094072966
SET 4kg	7297	5204094072973
SET 12kg	7298	5204094072980

### HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Consult recent Safety Data Sheet before application.

#### Component A



UFI: 6XW0-T0WS-F00N-RPR7

#### Component B



UFI: NVW0-A07D-5005-3C55

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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