

# Technical Datasheet

## DYNAPOK 2/C EPOXY PRIMER

Product Code: 22722 Primers



### DESCRIPTION

2-pack epoxy primer and build-coat. Contains zinc phosphate for corrosion inhibition. Relatively fast drying with excellent adhesion to suitably prepared substrates. Dynapok Primer dries to a matt finish.

### USE: INTERIOR - EXTERIOR

Primer for high resistance epoxy and polyurethane systems, given its chemical resistance and remarkable adhesion. Ideal base for any anticorrosive system in an aggressive chemical or marine atmosphere, both on steel and galvanised surfaces.

### PROPERTIES

- Elevated hardness.
- Leaves a very hard and resistant film.
- Excellent adhesion on steel, galvanised and aluminium surfaces.
- Great coverage and opacity.
- Protects all metal surfaces from rusting.
- Catalyses at temperatures below 0°C
- Excellent as intermediate build-up coating in epoxy and polyurethane systems

### CERTIFICATIONS

- Complies with UNE 48271- 2003 Type I-II norms
- Fire retardant to Euroclass: B-s1, d0. Une 13501-1
- Tested and qualifies to Anticorrosive Paint system grading C-5-I (High), as per ISO 12944-6. Tested by Tecnia Laboratories Certificate No. 13-02845-1.

**Finish:** Matt

**Color:** Grey, Red

**Mixture Viscosity:** Minimum 100" S/FR1002

**Mixture Density:** 1,43 ± 0,05 gr/cc S/FR1001

**Drying:** Touch dry in 1 hour

**Minimum repaint time:** 8 hours

**Diluent:** D-90 Solvent

**Performance:** 11,75 m<sup>2</sup>/l (40 microns)

**Mixture Volume Solids:** 47-50%, depending on color.

**Mixture Flash Point:** Flammable @ 29°C

**Mixing Ratio Component A/B in weight:** 5 to 1

**Mixing Ratio Component A/B in volume:** 3 to 1

**Potlife:** 8 hours (20°C)

**Induction time:** Minimum 15 minutes (20°C)

**Relative humidity upon application:** Maximum 80%

**VOC Content:** Maximum 500 grams/litre

22700 RED

22722 GREY

Format: 4 / 15 L

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### SURFACE PREPARATIONS

**IRON & STEEL.** Abrasive blasting up to SA 2 ½ grade according to ISO 8501-1. Removed paint coatings, mill scale, rust and foreign matter will be removed. Any traces of remaining contamination should only be shown as small circular spots or stripes. Alternatively when abrasive blasting is not an option, surface can be cleaned using hand and power tools such as hand wire brush, rotary wire brush, rotary grinder, needle gun or similar as per ISO 8504-3 on Surface preparation by hand and power tools. Apply the primer immediately after preparation to prevent any surface contamination.

**ALUMINIUM & GALVANISED.** If hot-dip galvanised surfaces have been exposed to the atmosphere, they form zinc corrosion (zinc patina) and accumulation of pollutants. Remove this by washing with fresh and clean water using detergents and abrasive synthetic fibres, then rinse with plenty of hot water. Alternatively, use hot water, pressurized water, steam cleaning, sweep blasting or cleaning by manual means or power tools. Sand to mate down the surface and remove dust. Given the wide variety and qualities of galvanisation types in the market, it is recommended to carry out a prior test to check the strength and adhesion of the primer to prevent possible incompatibilities.

### APPLICATION TIPS

Stir **Component A** in its container and once homogenized, add **Component B** slowly to it (in the indicated proportions), while performing mechanical stirring at low constant speed. Stir for 2 minutes until perfectly mixed. Let the mixture stand for 15 minutes. Do not use after the product's potlife has expired - in this case potlife is 8 hours (after mixing the 2 components).

**ENVIRONMENTAL CONDITIONS.** During the application and curing process, the temperature must be kept above 5°C. The relative humidity must not exceed 80%, and no rising humidity must occur in this time. The surface temperature must be at least 3°C above the dew point. Avoid condensation. Do not apply with risk of rain or strong wind.

### APPLICATION METHOD.

- BRUSH: Make sure the entire surface is properly painted and protected (corners, angles, joints, etc.) If 2 coats are applied, dilute the first one, and apply a second undiluted coat. Apply each coat in a different direction to ensure full coverage.

- SPRAY EQUIPMENT:

Tip Size: 1,4 - 1,7 mm.

Spray Pressure Flow Rate: 3 - 5 Kg/m<sup>2</sup>

Dilute product between 5 and 10% to get the desired viscosity of 20 - 30" - Ford Flow Cup No 4 - ASTM D1200

- AIRLESS SPRAY

Tip Size: 0,38 - 0,48 mm.

Spray Pressure Flow Rate: 150 - 170 Kg/m<sup>2</sup>

Dilute between 0 - 5%.

The exact determination of the dilution percentage will depend on the temperature, pressure of the spray, type of nozzle, etc. Be careful as to avoid dry-spray. This will lead to adhesion problems.

In large industrial applications it is recommended to use AX / L solvent to facilitate the hose cleaning.

Do not paint under rainy weather conditions or in the hours of maximum heat.

ROLLER : It is not advisable to use paint roller with this product.

### REPAINTING

#### COMPATIBILITY BETWEEN COATS

This primer is compatible with topcoats such as epoxy, polyurethanes, vinyl paint, chlorinated rubber, etc.

Maximum repaint time for polyurethane topcoat: 3 days

Maximum repaint time for epoxy topcoat: Unlimited.

Maximum repaint time for acrylic enamels or chlorinated rubber : 24 hours.

### SAFETY AND ENVIRONMENT

Solvent based products must be applied with good ventilation and with the necessary protection measures. Avoid sources of ignition.

Minimize product waste by estimating the amount needed, taking into account the m<sup>2</sup>, porosity and the surface texture.

Store the excess material in a ventilated and dry place.

The container must be clean and of adequate size for the amount of product left over. Close containers carefully and keep upright to avoid spills.

Preserve the containers from frost, high temperatures and direct exposure to the sun. Do not eat, drink or smoke during the preparation and application of the product.

Surface preparation and application operations must be carried out with the corresponding safety measures. For more information, consult the Safety Data Sheet. In case of contact with eyes wash with clean and abundant water. Keep out of the reach of children.

Do not discharge into drains or the environment. Dispose to an authorized waste collection point.

Consult your town hall about the correct recycling of both the container and waste and leftovers of paint according to law and principles of environmental respect.

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