

Technical Data Sheet

ACE EPOPRIMER FZ

DESCRIPTION

ACE EPOPRIMER FZ is a two components anticorrosive high building epoxy primer and intermediate coat, cured by polyamide. Its formulation does not contain lead neither chromates. Zinc phosphate is responsible of providing the anticorrosive property.

INTENDED USES

For use as a general primer or intermediate coat in epoxy and polyurethane systems. Can be used on properly prepared surfaces in new construction and as an industrial maintenance primer in a wide range of coatings. Valid as a first or intermediate coat in anti-corrosion systems in environments with corrosion categories up to C5 according to ISO 12944-2.

It is an excellent temporary protection in recent blasting areas and given its resistance to light chemical spills, it is valid for use in the oil, petrochemical, chemical, paper and bridge industries, etc.

It dries quickly and is easily recoatable after long periods of time.

PRODUCT TECHNICAL DATA

Appearance: Satin

Colour: Grey, White, Black, Red and RAL colours

Theoretical performance: 8.8 m² /L a (80 µm DFT).

Application methods: Brush, Airless, Aerographic and Roller.

Flash Point: Component A: 26 °C

Component B: 29 °C

Mixture: 28°C

Temperature resistance: 120°C.

Density: 1.40 – 1.50 kg/L

Solids content: 70%±2

Recommended thickness: 60-150 µm in dry film

86-214 µm in wet film

Mix: Volume 3:1

Weight 5:1

Pot life: 6 hours 20°C

COV's: 315 g/litre

Full dry time: 5 days 20°C

Dirección Corporativa:

ACE COATINGS S.L.
Campo Sagrado, 11
33205 - Gijón - España (Spain)



+34 985 323 328
www.acecoatings.com
info@acecoatings.com

ACE COATINGS LATAM SPA
Av/ Apoquindo 3885 Piso 18
Las Condes-Santiago de Chile
+56 9 79913091-línea WhatsApp

Technical Data Sheet

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PACK SIZE

Available in 12 L and the hardener in 4 L

DRYING TIME

Temperature °C	Touch	Handling	Minimum recoating time	Maximum recoating time ⁽¹⁾
10	4 hours	12 hours	6 hours	Unlimited
15	2 hours	8 hours	4 hours	Unlimited
25	90 min	6 hours	3 hours	Unlimited
40	30 min	4 hours	2 hours	Unlimited

(1) The maximum time for repainting is only unlimited when the surface is free of any contamination.

SURFACE PREPARATION

All surfaces must be clean, dry and free from contamination. Before application of paint, surfaces must be evaluated and treated in accordance with ISO 8504.

Abrasive blast cleaning according to Sa 2 ½ according to ISO 8501-1, SSPC-SP6 or SSPC-SP10 with improved performance. The desired rugosity profile should be type G (medium) according to ISO Comparator or N9a to N10 according to Rugotest No.3.

Repair of galvanized steel, completely remove oil, dirt, etc. with a suitable cleaner. Remove salts and other contaminants with fresh water under pressure. Remove rust and peeling material by abrasive blasting or mechanical cleaning. Remove residues.

In maintenance, remove any rest of grease or pollution. If there are rests of salts, remove with water pressure. In case of oxidation, remove by mechanical cleaning or blasting. In case of repair, it is necessary to leave the surface completely clean. One or two coats can be applied, depending on the degree of protection required.

APPLICATION REQUIREMENTS

Material is supplied in two containers. Once mixed must be used within the specified pot life.

No induction time is required. During application and cured steps, relative humidity must be below 85%.

The temperature of the substrate must be at least 3°C above the dew point.

When applied in closed spaces, good ventilation conditions must be created during application and drying until the solvents are removed.

Surface and application problems must be taken into account when calculating the practical performance of the product.

The cleaning of the tools must be carried out with epoxy solvent or other similarly effective.

Technical Data Sheet

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APPLICATION EQUIPMENT

BRUSH AND ROLLER	AIRLESS	AEROGRAPHIC
- Recommend - Dilution: 5% maximum	- Recommend - Dilution: 5% maximum - ONozzle size: 0,015-0,019 inches. - Nozzle pressure: 150 Bar	- Recommend - Dilution: 10% maximum - Nozzle pressure: 150 Bar - Nozzle pressure: 150 Bar.

SAFETY RECOMENDATIONS

- The packages have the corresponding safety labels.
- Inhalation of solvent vapors and contact of the paint with the skin and eyes must be avoided.
- When applied in closed spaces, forced ventilation must be provided.
- The product has a corresponding safety data sheet.

SHELF LIFE AND STORAGE CONDITIONS

12 months in original containers stored in a dry place between 5°C and 30°

WARRANTY AND LIMITATIONS OF LIABILITY

Ace Coatings warrants solely that the quality of the product meets its stated specifications at the time of production and that the product is delivered free of any legitimate third party claims of misuse of US patents associated with the product.

Ace Coatings disclaims all other warranties expressed or implied by law or trade practice, including but not limited to any warranty of fitness for a particular purpose or use.

Any claim submitted under this guarantee must be presented by the buyer directly to Ace Coatings, by written communication within a maximum period of 5 days from the detection of the defect, in no case beyond the expiration date of the product, or in any case, no later than 1 year from the date of delivery of the product to the buyer (the earlier option will be valid).

The buyer will not be able to make use of the guarantee if he does not notify Ace Coatings of the non-conformity as indicated above. Ace Coatings shall, in no event and under no circumstances (including negligence of any kind, strict liability or damages), be liable for any indirect, special, incidental or consequential damages related to, arising out of or resulting from any use of the product.

Technical Data Sheet

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