



EURONAVY S.A.



**EURONAVY
SOLUTIONS
Concrete Protection
and Repair**

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1 EURONAVY SOLUTIONS

Euronavy's product portfolio was created as a way to increase the flexibility and originality of our answers to our customer's problems. Our set of products dedicated to protect and repair concrete surfaces or structures allows such a distinctive answer to the customer needs, together with the fulfilment of the three main targets of Euronavy's R&D strategy:

TARGET	Euronavy's distinctive product features
Environmental friendliness	<ul style="list-style-type: none"> • solvent free epoxies (No VOCs) • Surface preparation tolerance allows the use of preparations methods with a decreased environmental impact (e.g. water blasting).
Application tolerance	<ul style="list-style-type: none"> • Epoxy primers applicable over wet concrete surfaces • Products that allow the application and curing underwater. • Products without dew-point restrictions during the application.
Versatility as a path to success	<ul style="list-style-type: none"> • Product portfolio covering a large spectre of needs in the area of concrete maintenance. • R&D capacity to modify and adapt existent products to customer specific needs.



2 EPOXY PRIMERS TO CONCRETE

- **EURO-wet BE14**

Excelente 100% solids epoxy primer, designed to allow application over wet or dry wet surfaces. Outstanding substrate and intercoat adhesion. Compatible with new (green) or aged concrete. Allows an important cost saving in surface preparation. No dewpoint restrictions, thanks to the ability to react with the moisture present in the substrate. Exceptional anticorrosive and protective properties. Efficient water barrier.

- **EURO-steel BE23**

Not only an 100% solids epoxy primer to dry concrete surfaces, but also an excellent resin to build epoxy mortars to floor construction (see below).

- **EURO-pox PE05**

Epoxy sealer / primer to dry concrete surfaces. Good wetting and impregnation properties, easy to apply.

3 MASTICS

- **EURO-flex ES303 F**

100% sólids epoxy resin with high flexibility, formulated in order to be applied as an high film-build mastic (up to 1 mm thickness). Can be applied over wet surfaces.

- **EURO-flex EL05**

100% sólids elastomer for coupling. Very high flexibility turns it the best solution for coupling.

4 IMPERMEABILITY

- **Tepoxel PU 20**

100% solids water tolerant prepolymer with urethane, ether and epoxy groups. React with water increasing its volume and achieving high levels of elasticity, stopping water infiltration in cracks.

5 INJECTION RESIN

- **EURO-inject ES302 B 10**

Excellent 100% solids epoxy resin, with excellent penetrating power and adhesion to concrete. Water tolerant.





6 PROTECTIVE FINISHES

- **EURO-wall ES303**

Epoxy composite mastic, 100% solids, applicable to vertical steel or concrete surfaces, over suitable primer, meeting special requirements not fulfilled by the traditional epoxy specifications. No dew-point restrictions. Allows high-build coating (e.g. 1000 microns) with excellent intercoat adhesion. EURO-wall ES302W is a version specially designed and approved for potable water.

- **EURO-super ES302 V**

Excellent solvent-free epoxy coating, fast drying, with excellent chemical resistance, for application in concrete reservoirs for winegrowing, vinegar and vegetable oils products.

- **EURO-super ES302 Q**

Excellent 100% solids epoxy coating, with excellent chemical resistance, for application in pulp & paper or other chemical industries.

- **EURO-pox HS HE09**

High solids epoxy abrasion resistant coating, high build (up to 150 microns dry film thickness), with excellent chemical resistance. Application in flooring, tanks, pipelines, etc.

7 FLOORING

- **EURO-floor ES302 H**

Multipurpose 100% solids epoxy coating, fast drying, with excellent intercoat adhesion. Good chemical resistance and superior impact resistance turns ES302H in an excellent floor coating.

- **EURO-pav DA02**

Acrylic emulsion flooring, water based, with excellent wear and weather resistance. Excellent adhesion to concrete and easy to apply. Normally used as surface to tennis courts, schools, terraces, etc.



- **EURO-level 2 BE06**

Excellent self levelling 100% epoxy flooring, with chemical and impact resistance, for in-door applications. Designed to easily fill losses of concrete, does not have dew-point restrictions and is applicable up to 2500 micron of dry film thickness.

- **EURO-freezer BE07**

Self levelling 100% epoxy flooring, with superior flexibility and mechanical strength properties. Due to his outstanding properties, can be used inside refrigerated areas (– 25°C up to 40°C).

- **EURO-joker BE09**

Extra flexible self levelling 100% epoxy flooring, with good chemical and impact resistance, for in-door or out-door applications. The version BE09-09 can be used to join different materials, such as steel-aluminium, without the need for joints.



- **EURO-steel BE23**

Excellent 100% solids epoxy resin, to production of epoxy mortars, after mixing with silica. Mortar application is possible over concrete or steel, regarding that a suitable primer is used. Superior impact and chemical resistance. Some applications are industrial floorings, anty-skid florings, food industry, ship decks, etc.



- **Polyurethane topcoats**

Euronavy's product portfolio also includes a number of other finish solutions (epoxy, polyurethane, chlorinated rubber, acrylic, etc) normally found in traditional specifications. The polyurethane polyester family are specially recommendable for very high resistant and durable finishes, particularly suitable for industrial flooring.:

- **EURO-thane PU04: top coat, available in different colours, high gloss.**
- **EURO-thane PU07: protective varnish, high gloss.**

8 UNDERWATER APPLICATIONS

- **EURO-paste 2 BE25**

100% solids underwater epoxy filler for concrete, easily applicable with conventional tools. BE25 is designed to fill cracks and rebuild damaged areas.

- **EURO-injection BE24**

100% solids epoxy resin for underwater concrete injection, with excellent penetrating power and adhesion. Dams, tanks and underwater concrete pipes are some of the repair targets of BE24.

You can down-load Technical Data Sheets for all described products at www.euronavy.net .

