

# ELIOVER 170

Rev. 02 of 04/21/2009

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Technical Data Sheet No. 2804931800

<b>Denomination</b>	<b>ELIOVER 170</b>
<b>Description</b>	Epoxy Anticorrosive Primer for Metal Structures
<b>Product Details</b>	Two-component solvent-based epoxy anticorrosive primer, suitable for galvanized sheets and light alloys, or for painted metal surfaces. Applicable by roller, brush, spray gun or airless. Ideal for maintenance of operating plants. The product is R.I.NA. approved (No. CDS/ 264-92 /OAT).
<b>VOC Classification (Directive 2004/42/EC)</b>	Binding Primers. EU limit value for this product (cat. A/h): 750 g/l (2007), 750 g/l (2010) This product contains max. 750 g/l VOC
<b>Surface Preparation &amp; Application</b>	<b>NEW STEEL SUBSTRATES</b> Sandblasting Sa 2 1/2 (according to Svedish Standard SIS 055900/1967). <b>NEW SHEET SUBSTRATES</b> Accurate degreasing with solvent or nitro thinner, and possible sanding to remove the salts of the surface. <b>PAINTED SUBSTRATES</b> Mechanical cleaning at St 3 grade (according to Svedish Standard SIS 055900/1967) Elimination of the presence of dust and slags with relative control, according to S.A.B.S. method ("Scotch tape" method).
<b>Practical Advices</b>	Room Temperature: Min. 5°C / Max. 35°C Relative Humidity: Min. 35% / Max. 85% Substrate Conditions: +3°C above the dewpoint temperature (see specifications) Preparation of the product: Mix the two components thoroughly until they are completely homogenized
<b>Available Sizes</b>	6 Kg (Base + Hardener)
<b>Storage</b>	<ul style="list-style-type: none"><li>• Keep container tightly closed in a dry, cool place.</li><li>• Storage Temperature: up to 5°C / below 30°C.</li><li>• Shelf Life: 18 months under optimal temperature and R.H. conditions.</li></ul>
<b>Safety Standards</b>	The Base is a pasty product that is Harmful and Dangerous for the environment. The Hardener is a corrosive liquid product. During the mixing and use phase, handle with care and caution after reading the warnings. For further information, reference should be made to the related Material Safety Data Sheet.

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Technical Features	Laboratory Data @ 20°C (68°F), 65% R.H.
Vehicle Type	Epoxy Polyamide System
Specific Weight (Base + Hardener)	1.500 ÷ 1.540 gr/liter
% Solids (Base + Hardener)	By Weight: 73,3 % By Volume: 51,6 %
Color	Grey (green and orange are available on request)
Viscosity (Base + Hardener) Ford Cup No. 4 at 20°C	Roller; Brush ..... 65 seconds ± 10 Spray Gun ..... 25 seconds ± 10 Airless (Compression Ratio: 1/55) ..... 100 seconds ± 10
Flash Point	Base ..... > 21 - < 65°C Hardener ..... > 21 - < 65°C
Components	Two
Mixing Ratio	83 : 17
Dilution (V/V)	Roller; Brush.....0 ÷ 5% Spray Gun.....0 ÷ 15% Airless (Compression Ratio: 1/55).....0 ÷ 3%
Nozzle Diameter	Spray Gun ..... 1,8 ÷ 2,2 mm Airless (Compression Ratio: 1/55) ..... 21 ÷ 23 mill. poll.
Working Pressure	Airless (Compression Ratio: 1/55) ..... 3 bar
Atomization Pressure	Airless (Compression Ratio: 1/55) ... 163 atm (2394 psi)
Thin With	Diluyente epossidico 454510 Thinner
Tools	Brush; Roller; Spray Gun; Airless (Compression Ratio: 1/55)
Dry Film Total Thickness (Contrast Ratio: Hp ≥ 98)	40 µm
Pot-Life	8 hours
Coverage at Recommended Film Thickness	8,5 m <sup>2</sup> /Kg
Dry to Touch	6 ÷ 8 hours
Dry to Recoat	Min. 24 hours – Max. 3 days
Dry Film Appearance Specular Gloss @ 60°	Semi-Glossy < 60 - ≥ 30 gloss
Temperature Resistance	+90°C
Adherence (Traction)	Excellent
Elasticity	Good

