

**DURACOIL POLI ALU**

**PRODUCT DESCRIPTION**

High-performance baking polyester topcoat for painting metal coils. Good adhesion to various primers/substrates (upon recommendation). Excellent color and gloss retention, high resistance to weathering and certain solvents, outstanding performance against chemical agents, impact and flexibility.

**RECOMMENDED USE**

Excellent finish for pre-painted metal coils used in civil construction, roofing, ACM, and wall cladding, where outstanding weather resistance and lightfastness are required.

**PACKAGING**

<b>Single Component</b>	190 L Packaging 900 L Packaging
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**CHARACTERISTICS**

<b>Color</b>	RAL, Munsell, or according to the customer's standard.
<b>Color Tolerance</b>	Visual.
<b>Gloss</b>	Gloss
<b>Volume Solids</b>	49 ± 2% (ISO 3233)
<b>Solids by Weight</b>	58 ± 2 %
<b>Shelf Life</b>	12 months
<b>Dry Film Thickness</b>	14 µm - 18 µm
<b>Theoretical Coverage</b>	30,63 m <sup>2</sup> /l without dilution at a dry film thickness of 16 µm. Loss factors during application are not considered.
<b>Solvent Resistance</b>	100 cycles, double rub, MEK.
<b>Impact</b>	40 lbf/po
<b>Pencil hardness</b>	MINIMUM 2H
<b>Flexibility</b>	3T NTO

**DRYING**

<b>Oven Drying</b>	<b>232 °C    249 °C</b>
<b>Suggested PMT</b>	Minimum    Maximum

**SURFACE PREPARATION**

**Standard Surface Preparation**

The performance of this product is related to the degree of surface preparation. In case of doubts, for more information, consult WEG's Technical Department.

The surface must be previously pre-treated in line and free of any contaminants, completely removing oils, grease and fats. We recommend the use of Bonderite C-AK 212 degreaser or equivalent, and the Bonderite 1402W chromium-based conversion coating or a similar product. Although these products are essential for the final performance of the system, they are only suggestions; WEG Coatings assumes no responsibility for their composition, application, or performance.

**Over Primer**

The product can be applied over a specific primer in order to form an appropriate coating system.

**APPLICATION PREPARATION**

<b>Mixing</b>	Mechanically homogenize the contents of each container in order to maintain product uniformity during the in-line painting process. Ensure that no sediment remains at the
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bottom of the container. If necessary, add the reducing solvent to the drum or container in the specified mixing ratio, under continuous agitation, until complete homogenization is achieved.

<b>Thinner</b>	DILUENT S-100 OU BUTIL GLICOL
<b>Alternative Thinners</b>	PU 5008 Diluent.
<b>Dilution</b>	Depending on the application method, dilute to a maximum of 15%.
<b>Notes</b>	<p>Dilute according to recommendation.</p> <p>Only add the thinner after the A + B components are completely mixed.</p> <p>Excessive thinning of the paint may affect film formation, appearance, and make it difficult to achieve the specified thickness.</p> <p>In very hot locations, we recommend consulting the WEG Technical Department.</p>
<b>Pot Life</b>	Not relevant.

**APPLICATION METHODS**

<b>Roller</b>	<p>Reverse roll:</p> <p>Primer ..... Chromate (when applicable)</p> <p>Substrate ..... Aluminum, HDG or Galvalume</p> <p>Suggested pre-treatment ..... Bonderite C-AK 212 + Bonderite 1402W or similar</p> <p>Dry film thickness - Topcoat ..... 14 to 18 microns</p> <p>Dry film thickness - Primer ..... 5 to 7 microns (when applicable)</p> <p>Thinning ..... Max. 15%</p> <p>Direct roller: Recommended only for specific primers or monobackers.</p>
<b>Notes</b>	<p>The data presented serves as a guide and similar equipment may be used.</p> <p>When applied with alteration of the specified dry film thickness, above or below, at the express request of the end clients, we are not responsible for the applicator's ability to control or maintain physical properties, such as gloss, color, MEK resistance, etc.</p> <p>Equipment cleaning: MEK or W-CLEAN 40.</p>

**SAFETY PRECAUTIONS**

Product developed for industrial use intended for handling by qualified professionals. Carefully read all information contained in the SDS of this product, available at: [www.weg.net](http://www.weg.net).

Store in a covered and well-ventilated place. Keep the container tightly closed and away from sources of heat or ignition.

Use only in well-ventilated areas, avoiding the accumulation of flammable vapors. Keep the product away from heat and sources of ignition.

Do not inhale mists/vapors/aerosols generated during handling and/or application. Use protective gloves/protective clothing/eye protection/face protection.

Empty containers and materials with paint residues must be disposed of according to current legislation. Take care of the environment.

**NOTE**

The information contained in this technical bulletin is based on the experience and knowledge acquired in the field by WEG's technical team.

In the event of using the product without prior consultation with WEG regarding its suitability for the purpose for which the customer intends to use it, the customer acknowledges that the use will be at their own exclusive responsibility, and WEG is not liable for the behavior, safety, suitability, or durability of the product.

Some information mentioned in this bulletin is only an estimate and may vary due to factors beyond the manufacturer's control. Therefore, WEG does not guarantee and assumes no responsibility for performance, efficiency, or any material or personal damages resulting from the incorrect use of the products in question or from the information contained in this Technical Bulletin.

The information contained in this technical bulletin is subject to periodic modifications, without prior notice, due to our policy of continuous improvement and evolution of our products and services, providing quality solutions to meet the needs of our customers.

