



DURACOIL POLI ALU

PRODUCT DESCRIPTION

Super-durable polyester topcoat with oven curing, designed for high-performance coating of metal coils. Exhibits good adhesion over specific primers. Excellent color and gloss retention, with high resistance to atmospheric agents and certain solvents, and high performance in terms of hardness, impact resistance, 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

Single Component	50.2 US gal Packaging 237.75 US gallons Packaging
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CHARACTERISTICS

Color	According to customer standard.
Color Tolerance	± 0.50 L, A, B (line), visual.
Gloss	Gloss
Volume Solids	48 ± 2% (ISO 3233)
Solids by Weight	58 ± 2 %
Shelf Life	12 months
Dry Film Thickness	0.6 mils - 0.7 mils
Theoretical Coverage	1086.8 ft ² /gal without dilution at a dry film thickness of 0.7 mils. Loss factors during application are not considered.
Specific Gravity	Min: 1.042 Max: 1.142 g/cm ³
Solvent Resistance	100 cycles, double rub, MEK.
Impact	40 lbf/po
Pencil hardness	F - 2H
Flexibility	3T NTO

DRYING

Oven Drying	450 °F 480 °F
Suggested PMT	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

Mixing	Mechanically homogenize the contents of each container
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in order to maintain product uniformity during the in-line painting process. Ensure that no sediment remains at the 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.

Thinner	DILUENT S-100 OU BUTIL GLICOL
Alternative Thinners	PU 5008 Diluent.
Dilution	Depending on the application method, dilute to a maximum of 15%.
Notes	<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>
Pot Life	Not relevant.

APPLICATION METHODS

Roller	<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 16 to 20 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>
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Cleaning of the equipments:	DILUENT S-100 OU BUTIL GLICOL
Notes	<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> <p>NOTE: When applied with a dry film thickness different from that specified, either above or below, upon the express request of the end customer, we shall not be held responsible for the applicator#s ability to control or maintain the product#s physical properties, such as gloss, color, MEK resistance, among others.</p>

This specification also describes the characteristics that the product must exhibit immediately before and after painting. If the product does not present these characteristics, its use must be immediately discontinued and the Technical Assistance or Sales departments of Weg Tintas must be contacted.

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.

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.
