



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 painting pre-coated metal coils for civil construction, roofing, and side panels requiring excellent resistance to natural weathering and lightfastness.

PACKAGING

Single Component	1000L Package containing 1000L 190 L Packaging
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CHARACTERISTICS

Color	According to customer standard. RAL and Munsell chart.
Color Tolerance	Visual.
Gloss	Semi-Gloss
Volume Solids	49 ± 2% (ISO 3233)
Solids by Weight	57 ± 2 %
Shelf Life	12 months
Dry Film Thickness	16 µm - 20 µm
Theoretical Coverage	27,22 m ² /l without dilution at a dry film thickness of 18 µm. Loss factors during application are not considered.
Solvent Resistance	50 cycles, double rub, MEK.
Impact	40 lbf/po
Pencil hardness	F - 2H
Flexibility	3T NTO

DRYING

Oven Drying	232 °C 249 °C
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 in order to maintain product uniformity during the in-line
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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
Dilution	Depending on the application method, dilute to a maximum of 15%.
Notes	The amount of Diluent may vary depending on the type of equipment used and environmental conditions during application. Only add Diluent after complete mixing of the other components. Do not dilute with solvents not allowed by local legislation, and do not exceed the indicated dilution percentage. Excessive dilution may affect film formation, appearance, and make it difficult to achieve the specified thickness.
Pot Life	Not relevant.

APPLICATION METHODS

Roller	Reverse roll: Primer Chromate (when applicable) Substrate Aluminum, HDG or Galvalume Suggested pre-treatment Bonderite C-AK 212 + Bonderite 1402W or similar Dry film thickness - Topcoat 16 to 20 microns Dry film thickness - Primer 5 to 7 microns (when applicable) Thinning Max. 15% Direct roller: Recommended only for specific primers or monobackers.
Cleaning of the equipments:	DILUENT S-100 OU BUTIL GLICOL
Notes	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. Equipment cleaning: MEK or W-CLEAN 40.

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.
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