

Alucoat® prelac is the designation for the last generation system on degreasing and chemical pre-treatment of aluminium foil. This pre-treatment is applied onto a line equipped with the best technology and it's designed under the custom engineering concepts of ALUCOAT technical group. Its main advantages are the total dispose of residual oils on surface from lamination process as well as magnesium, manganese, among others that could be on surface and might cause problems on the anchorage of coating.

Alucoat® prelac offers more advantages:

- 100% FREE Chromium process (Cr+3, Cr+6).
- Pre-treatment film based on organic polymer and composed of Zirconium and Molybdenum.
- Finished with transparent film.
- Brings super properties for the anchorage of coating according to ASTM-3359 directive.
- Multiply corrosion resistance of aluminium.



- Resistant improvement to MEK according to ECCA T11 directive.
- Folding and Coating improvement for substrate according to ECCA T7 directive.
- Adherence improvement for lacquers on Erichsen test, according to EN ISO 1520 directive.
- Resistance improvement to salt spray essay, according to ISO 9227:2006 directive.

Usage

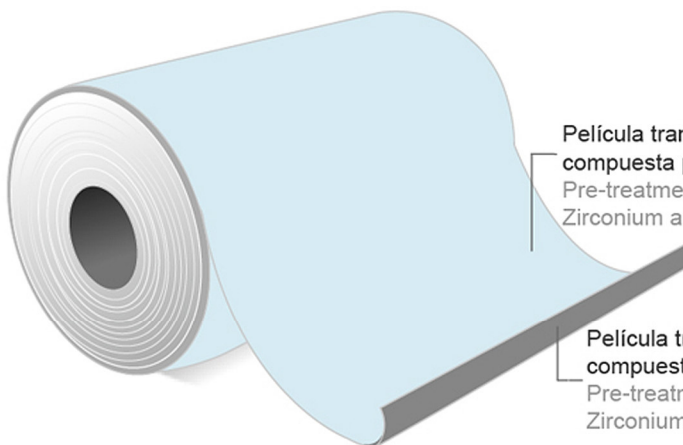
- Suitable for use in electrical and electronic equipment as RoHS, 2002/95 / EC.
- Ideal for products that pretend to be respectful to the environment.
- Complies with REACH (SVHC).
- Approved by Nehring Institute (Braunschweig, Germany) to be used in contact with foodstuff.
- Safe for use in contact with foodstuff, according to FDA regulations (Food and Drugs Administration) directives.
- Safe for use in contact with foodstuff, according to the European Regulation, Regulation (EC) No 1935/2004.



Applications

- Heat exchangers for food industry.
- Heat exchangers for industrial cooling equipment and air conditioning systems for buildings.
- Products for construction applications where high corrosion resistance to outdoor environment is required.
- Products for aeronautical, shipping and land transport industry applications.
- Products for smoke outlets.
- Products for pet food. Products coated with polyester technology.
- Suitable for containers for food packaging, in particular for those where a process of sterilization, freeze-dry or pasteurization is required.
- Suitable for containers whose content is chemically aggressive like compote, pâtés, salads, juice, citrus, among others.
- Suitable for pharmacy products, in particular for those where a process of sterilization, freeze-dry or pasteurization is required.

Composition:



Película transparente de pre-tratamiento basada en polímero orgánico y compuesta por Zirconio y Molibdeno -
Pre-treatment transparent film based on organic polymer and composed of Zirconium and Molybdenum

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Product description:

Aluminium between 50 and 500 microns thick with a maximum wide of 1.600 mm.

Temper:

Hard and Semi-Hard tempered, with residual oils on surface from lamination process: O, H12, H18, H22, H24 and H26.

Recommended alloys:

EN AW 8011A, EN AW 8006, EN AW 3005, EN AW 3105, (according to European Standards (EN 573-3)).

Customer can specify its needs in order to choose the best thickness, alloy and temper of the metal.