

ROMAX 83

ROMAX™

POLYMER COATING

Organic coating for technical or decorative use

Characteristics (depending on materials used):

- Corrosion protection
- High resistivity (electrical insulation)
- Low resistivity (EMI Shielding)
- Frictional properties
- Variety of colours

Note: polymer coatings can be classified into 2 main families:

- Liquid coatings
- Powder coatings (fluidized bed, electrostatic spray...)

Materials that can be treated: any type of support

Applications examples: • Industrial fans • Industrial cabinets and boxes • Generators • Motor frames • Screw heads
 • Submarine and ship parts • Tunnel equipment parts • Hoods for electronic applications • Various screws and bolts
 • Car body • Bus bar

Description

Thermosetting powder formulated with epoxy resins that provide excellent mechanical and chemical resistance. These powders are therefore ideal for anti-corrosion applications.

Area of use

The product is particularly suitable for applications where high chemical resistance and/or corrosion protection are required, such as gas or liquid tanks, pipelines, steel structures, commercial vehicles and automotive parts.

Surface preparation

On aluminum, steel and galvanized steel: careful degreasing followed or not by chemical conversion or mechanical preparation, depending on the level of anti-corrosion protection required.

Application

Application can be manual or automatic, using electrostatic corona guns (minimum voltage 40KV), triboelectric or thermal spray type. When recycling, add new powders automatically. Maximum 5% recycled powder.

Polymerization time

Advice and limitations: in gas ovens without heat exchangers (direct flame), some types of gas can cause significant color deviations. Please consult us for further details.

Time (minutes)	Temperature (°C)
7	200

Technical features

Density	1,31	
Thickness [µm]	100	500
Average particle size [µm]	44	50
Gloss 60°[ISO 2813]	75	95

Mechanical properties for 130 -250µm film

Cylindrical Mandrel Bend (ISO 1519) [mm]	5
Erichsen Cupping (ISO 1520) [mm]	6,0

Data obtained on steel specimens. Film thickness applied approx. 130 - 250 microns.

Storage

12 months/35°C

Security

Consult the safety data sheet before using the product.

