

Z.YYY.XXXX-AJB SERIES

Antimicrobial powder coatings



1. PRODUCT FEATURES

2. TECHNICAL INFORMATION

3. VARIANTS AND SPECIAL FORMULATIONS

4. POSSIBLE USAGE AND APPLICATIONS

Z.YYY.XXXX-AJB Serie

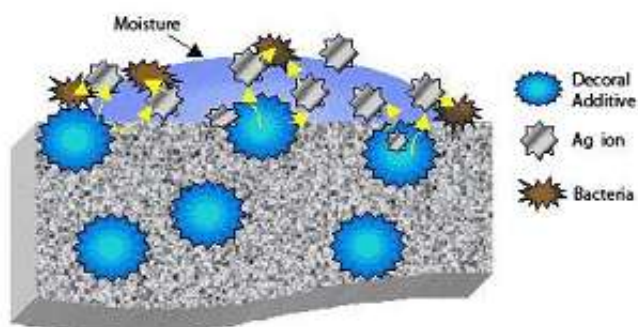
Antimicrobial powder coatings

1. PRODUCT FEATURES

The powder coatings of the Z.YYY.XXXX-AJB series are characterized by additives that make the surface of these coatings resistant to microbial growth; while on a normal surface microbes and bacteria can easily settle and proliferate, on objects and surfaces coated with Z.YYY.XXXX-AJB powders the bacterial growth is neutralized thanks to its special formulation.

These products have been tested by an independent laboratory in Japan, which has certified the antimicrobial efficacy against the two main kinds of bacteria (*Escherichia coli* and *Staphylococcus aureus*).

Besides, *Accelerated Weathering Tests* (AWT) have been carried out on these powders, simulating a ten-years period of exposure: the anti-microbial activity has proved to fully retain its efficiency, with a 100% microbial resistance at the end of the test.



2. TECHNICAL INFORMATION

- **Technical data**

Powder type	Polyurethane
Class resistance	Class 1 (suitable for outdoor use)
Yield (in surface/mass)	13,1 m ² /Kg
Specific weight	1,27 ± 0,03 g/cm ³

- **Application and curing cycle**

Available for corona charging.

Curing time and temperature: 25 minutes at 195°C – 383°F (metal temperature).

- **Mechanical proprieties**

Test	Standard reference	Result
Buchholz	ISO 2815	ok
Adhesion	ISO 2409	No loss of adhesion; ok
Bending	ISO 1519	No loss of adhesion; ok
Salt spray	ISO 9227	corrosion <4 mm; ok

Z.YYY.XXXX-AJB Serie

Antimicrobial powder coatings

3. VARIANTS AND SPECIAL FORMULATIONS

On customer's request, the following formulations are available:

- matt, glossy, or textured;
- class 2;
- low-cure.



Antimicrobial powder coatings of Z.YYY.XXX-AJB Series are available in all RAL colours.

4. POSSIBLE USAGE AND APPLICATIONS

This series has its perfect application in environments where cleanliness and hygiene are most important: hospitals, kindergartens and canteens are just some of the many possible places that this product would finely suit.



GICOLOR SRL

Sede legale: Viale del Lavoro, 5 - 37040 Arcole (VR)

Sede operativa: Via Tagliamento, 4 - 36056 Belvedere di Tezze sul Brenta (VI)

Tel. +39 0424 560208 - Fax +39 0424 564601

