

# PULVERSAN



The powder coatings **PULVERSAN** is meant and produced to guarantee the reduction of bacterial proliferation over the time.

**PULVERSAN** powder coating is available as a polyester and epoxy-polyester product due to its use (outdoor / indoor).

The polymerization cycle is between 20'@140°C and 20'@190°C.

Available coating: glossy, mat and structured.

#### REDUCING BACTERIAL PROLIFERATION:

- The effectiveness of **PULVERSAN** products has been tested following these methodologies: ASTM E 2180, ASTM E 2149, JIS Z 2801; test results showed the effectiveness of this product as regards the following bacteria and fungi:
- *Staphylococcus aureus*,
- *Escherichiacoli*
- *Aspergillus niger*

It is also known that the Ag + ion, the active substance of **PULVERSAN**, is active against bacterial strains responsible of diseases such as SARS, AVIAN –FLU, SALMONELLA, LEGIONELLA.

#### PROLONGED ACTION OVER THE TIME:

**PULVERSAN** products, which have been tested after 20-month exposure to temperatures between 10°C and 35°C, with relative humidity between 50% and 90%, have confirmed their original effectiveness.

#### TECHNICAL FEATURES

(Test made on UNICHIM panels of 0,8 mm thickness)

Specific weight:	1,3-1,7 gr/cc depends on colors
Yeld:	10-12 mq/Kg a 60μ
Gloss:	20-90 gloss polyester (ISO2813) 10-90 gloss epoxy-polyester (ISO2813)
Adherence:	GTO (ISO2409)
Hardness:	H-2H (ASTM D3363)
Cupping:	5-7 mm (ISO2409)
Impact:	>10Kg/cm <sup>2</sup> (ISO6272)
T-bend:	≥ 0,5T (Post-forming products)

The polyester version, whose product code is 5-X - / ----, respects the QUALICOAT and GSB specifications  
The epoxy-polyester version, whose product code is 2-X - / ----, tested on phosphated sheets (ISO9227 salt spray) exceeds 500h.

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## APPLICATIONS:

Containers, gym equipment, office furniture, schools, hospitals, medical offices, food and beverage dispensers, public transport, ambulances, bathroom furniture, handles, refrigerated counters, movable walls, coatings, air ducts (both forced and non-forced), etc.

## NOTE:

The data mentioned above refer to our experience and to the laboratory tests which we have carried out by qualified laboratories.

The long lasting effectiveness of the product depends on the environmental conditions where the product is placed (humidity, temperature, etc.). In order to guarantee the durability of the product, tests must be made either by the applicator or his customer, in respect of the environmental conditions being required by the product.

**Pulverit S.p.A. Italia**  
Via Carlo Reale, 15/4 20157  
Milano-Italy  
Tel +39 02 376751  
email: [pulverit@pulverit.it](mailto:pulverit@pulverit.it)

**Pulverit Polska Sp. z o.o.**  
ul. Strefowa 16 43100 Tychy-  
Polska  
Tel. +48 32 329 14 11  
email: [biuro@pulverit.pl](mailto:biuro@pulverit.pl)

**Pulverit Deutschland GmbH**  
Im Wert 3 73563  
Mögglingen- Deutschland  
telef.: +49 7174 7193000  
email: [info@pulverit.de](mailto:info@pulverit.de)

**Pulverit Iberia s.l.u.**  
c/ Caravis, 28, 1º 3ª 50197  
Zaragoza  
Tel. +34 607163259  
Email: [iberia@pulverit.it](mailto:iberia@pulverit.it)

[www.pulverit.com](http://www.pulverit.com)