

Antibacterial

Technical Data Sheet

Description

Antibacterial Powder coatings (...N) that prevent the spread of dangerous micro-organisms and suppress the growth of mold and bacteria. The antibacterial activity was examined with the Japanese Industrial Standards JIS Z 2801 test and approved. Antibacterial finishes are available in all chemistry, like epoxy-polyester, polyester TGIC and TGIC-free versions.

Characteristics

Antibacterial
Protects against the spread of micro-organisms
Inhibits the growth of dangerous bacteria and mold
Provides protection over an extended period of time
Available in a wide range of colours and textures
Less waste and pollution to the environment

Applications

Restaurants
Hospital equipment
School equipment
White goods
Air conditioning and ventilation systems
Pharmaceutical industry

Product Properties

Colour	All colours
Surface	Gloss GLN – Semigloss HRN – Semimat CSN – Matt CMN -Wrinkle WRN – Structure STN
Specific gravity	1.2-1.8 gr/cm ³ (low with dark colours, high with light colours)
Shelf Life	12 months (< 30°C and < 50% RH)
Test Method	JIS Z 2801
Test Organisms	Staphylococcus aureus Escherichia coli

Antibacterial activity values against Escherichia coli > 2.0
Antibacterial activity values against Staphylococcus aureus > 2.0

Application Data

Application	Corona/Tribo (Can be applied by tribo guns if product code has "T" for the 6th character)
Curing	Check for TDS for the specific series.
Film Thickness	Check for TDS for the specific series.

Antibacterial

Coating Properties

Check for TDS for the specific series.

Application Guide

Antibacterial powder coating does not require a special application.

Care and Maintenance

Antibacterial powder coatings should be regularly washed with warm water and mild liquid detergent, followed by a fresh water rinse to maintain the attractive appearance of the powder cured film. The use of abrasive cleaners is not recommended, nor is the use of active organic solvents.

Health and Safety

The SDS is an integral part of using this product as it contains information on the potential health effect of exposure, personal protective equipment needed. It is recommended to contact to Sales and Customer Service Offices for further information.

Transport and Storage

Packaging	15-20-25 kgs. Heavy polyethylene bag in a corrugated carton
Shipment	Not dangerous goods. No special transport requirements.
Storage Conditions	Storage temperatures should be kept below 30°C and 50% relative humidity. Powder should be stored in closed containers.