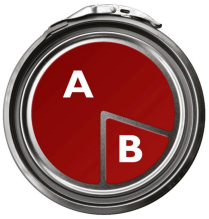
FINISOL ESD

SOLVENT-COLOURED STATIC-DISSIPATIVE POLYURETHANE (A+B)



DESCRIPTION

Two-component formulation based on solvent-based aliphatic polyurethane resins. Innovative raw materials based on carbon nanotubes give the coating an electrical conductivity that complies with the main standards of the ESD industry.

The resistivity value is homogeneous and constant over the entire surface and allows to disperse the charges on the surface and to discharge them transversely on the underlying layer.

Resists:

- ageing due to the action of ultraviolet rays
- the chemical attack of acid rain and corrosive atmospheresthe
- action of different acids

Excellent wear resistance.

Easy cleanability and sanitization of the surface.

USE

Finishing for static-dissipative resinous coatings.

SUPPORT

The substrate must have a minimum compressive strength of 25 N/mm^2 and a tensile strength of 1,5 N/mm^2.

PREPARATION OF THE SUPPORT

As a finish of antistatic coatings it is necessary to proceed within the covering time.

On resinous coatings already completely polymerized, it is necessary to abrasive carefully using 80 grain canvas discs, thus eliminating dust residues.

APPLICATION

At the time of application, combine the two components in a single container and mix carefully with appropriate equipment (a drill with propeller is recommended).

FINISOL ESD must then be applied in a roller by uniforming the surface with parallel movements. Keep the product stirring to avoid separation of the fibers contained.

The product consumption is about 0.09 kg/m^2, for each shoot.

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TECHNICAL SPECIFICATIONS

PRODUCT DATA	
Colour	Second RAL folder
Specific gravity (at 25 °C): mixture (A+B)	1,31 +/- 0,05 g/ml (ref. RAL 7038)
Viscosity (at 25 °C): mixture (A+B)	550 +/-100 mPascal (spindle 2, rpm 50, RAL 7038)
Dry residue (A+B)	68.5% by weight and 59% by volume (ref. RAL 7038)
Flash point	None
Solvent for cleaning tools	UNI Solvent
Storage	12 months, store in a dry place at a temperature between 5 °C and 30 °C. Component B reacts with air humidity.
APPLICATION DATA AND TIMES	
Mixture ratio	by weight: A=100, B=21 by volume: A=100, B=26
Recommended thinner	UNI solvent (do not use alcohols, glycols or other types of solvent, which can react with the isocyanate group).
Pot-life (50% R.H.)	at 7 °C > 6 hours at 25 °C 3 hours at 35 °C > 2 hours
Dry to the touch (50% U.R.)	at 7 °C 24-28 hours at 25 °C 8-10 hours at 35 °C 3.5-5.5 hours
Walkable (50% R.H.)	at 25 °C 24 hours
Coverage (50% R.H.)	at 25 °C 12 to 36 hours

Environmental conditions of use	Temperatures between +7 °C and +35 °C, R.H. < 60% (*)
PERFORMANCE TECHNICAL DATA	
Abrasion resistance UNI 8298-9	50 mg (TABER Mola CS-17-1000 rpm - 1000 g weight)
Chemical resistance	Contact Sivit Technical Service for detailed information
Point-to-point surface resistivity (UNI EN1081)	1-10 MΩ (**)

(*) FINISOL ESD it must be applied at a substrate temperature of at least 3 °C higher than the condensation temperature.

(**) Apply 90 gr/m^2 of FINISOL ESD on a film by SMALTURA ESD (80 gr/m^2), applied on an insulating support.

WARNINGS

Different production batches of the same color may have small differences: where possible use material from a single production batch.

Product for professional use, the buyer undertakes to follow the above warnings in the application of the purchased product and the instructions in the safety data sheet.