

Description

LISAT LST-ESP-100 is a EMI coating paint that can be used to shield Electro Magnetic Interference. It can provide EMI shielding efficiency from 30dB to 50dB (99.9% to 99.999%) for the frequency range from 15MHz to 20GHz and wide. This coating paint can be easily applied onto the internal and external surfaces of articles for protection of Electro Magnetic Interference (EMI). Example of Application include Electrical, Electronics, IT Products, Medical Devices, Telecommunication Systems, Aerospace, Avionics and Electric Trains.



Features and Benefits

- EMI shielding effectiveness of 0 - 50 dB
- Wide frequency range from 15M to 20GHz
- Easy to apply and coat on to the surface
- Non Environment Hazard under GHS
- Ready to use right out of the bottle

Typical Applications

- @ Automotive and Electric Train
- @ Computer and Peripherals Product
- @ Telecommunications & Multimedia Product
- @ Suitable for Home & Industry Product
- @ Suitable for Non-Metal Product

Properties

Note : Below technical data and information should be thought as typical or representative only and should not be use for specification purpose

TYPICAL PROPERTIES OF EMI COATING PAINT LST-ESP-100

Property	LST-ESP-100	REFERENT STANDARD
Color (Before Drying)	Grey	Visual
Color (After Dry)	Black	Visual
Consistency (25°C) (Krebs Units)	61 - 62	61 - 70
Density (25°C) (Kg/Liter)	2.86	ASTM D792
Dilution Stability	1.1 - 1.2	Visual
Skimming	Non Setting (Stable and Uniform)	Visual
Freezing	No Skimming	Non Freeze at 5°C
Over coating Duration (25 - 30°C)	No Freezing	Visual
Drying Duration - Touch Dry	= < 1.0 hrs	Visual
Drying Duration - Full dry	= < 8.0 hrs	Visual
Effective Thickness (Dry Film)	0.5mm	Visual
Surface Preparation :	<ul style="list-style-type: none"> • New surface MUST be clean and free from contaminants prior to painting. • Old surface loose, peeling and flaking paint film MUST remove and clean. • Treat any Fungus-growth area prior to painting. 	
Recommended Painting :	<ul style="list-style-type: none"> • Coat primer sealer undercoat paint 1-2 layer prior to EMI painting. • Cost EMI Shielding Paint 0.5mm and above thickness for best effectiveness. 	

Part-Number Ordering System : LST-ESP-100-xxx
 001 = 1 Kg, 005 = 5 Kgs
 020 = 20 Kgs

LISAT

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