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DATA SHEET

1.2.21

Ωmega polyurethane

CONV: CMP-2018-****

DESCRIPTION: **Two component acrylic polyurethane finish conductive.**

PRINCIPAL CHARACTERISTICS:

- conductive and antistatic paint
- Acryl polyurethane finish which can be also applied directly plastic (ABS, PS,Galvanized steel, steel …)
-excellent resistance to atmospheric exposure
-excellent colour and gloss retention
-Non-chalking, non-yellowing
-good abrasion resistance
-good resistance to water
-resistant to splash of mild chemicals
-can be applied by airless spray
-very good resistance to chemicals and water

COLOUR AND GLOSS : RAL and company colours. Gloss 20%-60% (ASTMD523-14 - 60°)

TECHNICAL DATA : (data for mixed product at 20°C)

Surface Resistance:	10E6 – 10E8 Ohm square probe
Mass density:	approx. 1.3 g/cm3 depending on colour
Recommended dry Film thickness (dft):	40-70 microns depending on system
Theoretical Spreading rate:	8-10 m2/l for 40 microns
Touch dry after:	25 min
Over coating interval:	can be less 3 hour or after 24 hour
Full cure after:	7 days
Drying:	can be dried in stove after a flash off period of approx. 15-20', then drying for 30' at 80°C
Pot life:	approx. 6 hours
Shelf life	12 months (temperature 5º-45ºC)
Adhesion	5B

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE OF APPLIC.	-on previous coats of epoxy or polyurethane primers if more resistance and More dry thickness are requested: dry and free from any contamination and sufficiently roughened -Galvanized steel: must be dry and free from any contamination and sufficiently roughened. -during application and curing, a substrate temperature down to -5°C is acceptable, provided the substrate is free from water or ice -substrate temperature should be at least 3°C above dew point

INSTRUCTIONS FOR USE:

-mixing ratio: base to hardener 720/C in the following ratio:

	Base	720/C
By weight:	100	20
In volume:	100	25

-the temperature of the mixed base and solvent should be above 15°C, otherwise extra solvent may be required to obtain application Viscosity
-too much solvent results in lower sag resistance and slower cure
-thinner should be added after mixing components

Induction time : none

AIRLESS SPRAY

Recommended thinner:	thinner for PUR products
Volume of thinner:	30%-50%
Nozzle orifice:	approx. 1.3mm-1.8mm

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PHYSICAL CHARACTERISTICS

Flexibility	7 – 8 mm.
Impact test:	OK

SAFETY PRECAUTIONS	gloves and fresh air mask recommended -contains toxic isocyanate curing agents (hardeners) -avoid at all times, inhalation of aerosol spray mist

Comments:

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safely and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and M.S.D information. **Keep out from children and fire.**

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