

# CATHO-DIPCOAT ED 310 MP-65

External cross-linking acrylate binder for application in cathodic electro dipping coating

## APPLICATIONS:

External crosslinking modified acrylic polymer specially formulated for cathodic electrocoats.

Recommended for coating brass and plated hardware where perspiration / chemical resistance is important.

Excellent resistance properties can be achieved at cure temperatures of 130 - 140 °C.

## PRINCIPAL PROPERTIES:

- Low temperature cure 130 - 140 °C
- Easy to control
- Non hazardous
- Hard deposits 4H or more depending upon the cure used
- Enhanced wear resistance
- Excellent adhesion on all substrates
- Excellent throwing power
- High level of gloss without the use of high solvent concentrations

CATHO-DIPCOAT ED 310 MP-65 can be crosslinked with suitable blocked isocyanates\* and/or substituted triazines to produce UV stable chemically resistance coatings.

\*for optimum chemical resistance use trifunctional isophorone diisocyanate based crosslinker.

## DELIVERY FORM:

65 % in methoxypropanol (65 MP), non-neutralized

## PRODUCT SPECIFICATIONS:

Property	Range	Unit	TM
Colour	1,7 - 2,1	-	Gardner
Viscosity (25 °C), Brookfield, Sp.4 20 rpm.	40 - 60	Pa.s	DIN EN ISO 2555
Solid content (1 hr 125 °C)	63 - 67	%	DIN EN ISO 3251
OH-content, solid	approx. 4,5	%	DIN 53240/2
Flash point	approx. 34	°C	DIN EN 22719
Density, 20 °C	1,04	g/cm <sup>3</sup>	DIN EN ISO 2811

## TYPICAL RESULTS:

Property	Range	Unit
Application voltage	30 - 50	volts
Film thickness	12 - 15	microns
Cure temperature	130 - 140	°C [peak metal]
Cure time	20 - 30	minutes
Pencil hardness	4H	-
Acetone resistance	400	DR
25% formic acid resistance [test carried out at 20 °C]	minimum 45	minutes

## STORAGE GUIDELINES:

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 6 month.

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