

# CATHODIC MAT FINISH ELECTRODEPOSITION COATING **FROSTY CWX**



By Micro-gel technique we completed mat finish cathodic Acrylic/Urethane electrodeposition coating for the first time in industry.

## • CHARACTERISTICS

- Possible to cure on most materials, because of Cathodic Electrodesposition Coating.
- Possible to get appearance of peculiar silky mat finish
- Adhesion and Pliability are excellent, secondary process is good

## • USE

- New type of Mat finish coating is possible to use clear or color clear for Decoration, Exterior of building etc
- On the bright plating, possible to get mat finish
- By masking possible to get 2 kinds of coating Bright and Mat finish

## • STANDARD PROCESS

**ACTIVATION**

↓ RINSING

**ACID CLEANING**

↓ RINSING

**CONNECTOR**

↓ RINSING WITH PURE WATER

**ELECOAT**

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**SPRYA RINSING**

↓ RINSING WITH PURE WATER

**WETTING** SS-1

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**PRE-DRYING SETTING** 100±10°C 10-20min.

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**BAKING** 180°C 30min.

• OPERATING CONDITION

ITEM	OPERATING CONDITION (NORMAL)
(Condition of Solution)	
Temperature	25±1℃
pH	3.3~3.8
Conductivity	250~350 $\mu$ s/cm
Solid Content (NV)	9.0~11.0%
(Condition of Electrodeposition)	
Voltage	100~200V
Time	0.5~2 Min.
Polar Ratio (Area)	Cathode/Anode=3/1
Polar Interval	150~200mm
ANODE PLATE	Carbon Plate

• COATS EFFICIENCIES

ITEM	RESOLT	TEST CONDITION
HARDNESS	3H	JIS K 5400
ADHESION	100/100	JIS K 5400
Corrosion Resistance	More than R.N=9.8	CASS TEST 72h
Solvent Resistance	More than 100 times	Acetone Rubbing
Water Resistance	Passed	Boiling Water 5h
Alkali Resistance	Passed	5%NaOH Dipping 24h
Acid Resistance	Passed	5%So <sub>4</sub> (25℃) Dipping 24h



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There is no notice for the improvement, and specifications may be changed.