

# ELECTRODEPOSITION PRIMER

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## Product information

- 1-A self-crosslinking, heat-reactive primer for anodic electro dipping coating (anodic electrodeposition).
- 2-It is mainly used as anti corrosive primer in the automotive industry.

## Physical data

Colour	Customer request
Finish	Flat to semi gloss
Substrate	Steel, cast iron, and galvanized surfaces.
Pigments	Anti corrosive pigments
Number of components	3
Curing mechanism	Heat reactive
Volume solids	58± 2%
D.f.t	20 -30 micron
Specific gravity	1.2-1.3 gr/cm <sup>3</sup> depends on color
None-volatile content: (by wight)	70± 2%
Theoretical coverage:	24 m <sup>2</sup> /lit ( at 20 μ d.f.t)
Conductivity:	1700 ± 300 μs(micro siemens)
Adhesion	5 B
Temperature	180 - 200 °C
Time	30 minutes
Deposition voltage (volts)	120-250 v
Deposition time	60-90 sec
Suitable top coats	Epoxy ,polyurethane and stoving top coats
Shelf life(at 20°C)	6 month
Application methods	Electro dipping



## Typical uses

As an anti corrosive primer in the automotive industry.

## Application information

This primer shall be used in the electro deposition bath,  
With the solid content of 14+1%, temperature 23-28<sup>°C</sup>,  
deposition voltage of 120-250 volts, coating time 90 sec, PH  
value 6.9 - 7.4 and baking time of 30 min at 180 <sup>°C</sup> - 200<sup>°C</sup>

## Application equipment

A complete system of electro deposition coating including  
rectifier, bath, washing, drying and baking line.

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