

# METAL COLOURS

## ELECTROPHORETIC PAINT

Electrophoretic paint technology is particularly advantageous for the application of a uniform organic coating formed on fabricated metal components. Unlike sprayed or dipped coatings, an electrophoretic coating is of uniform thickness on even the most complex shapes, including the edges. The size of components and parts is not in itself limiting; motor vehicle manufacturers routinely electrophoretically coat car chassis and other parts for corrosion protection.

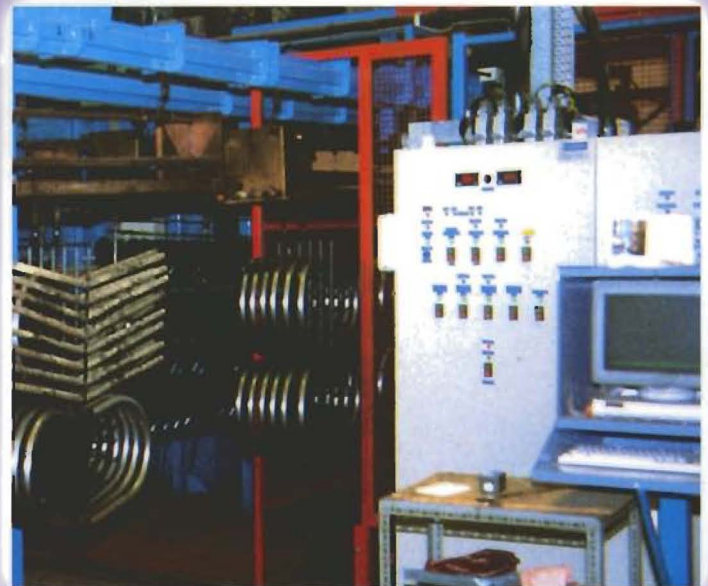
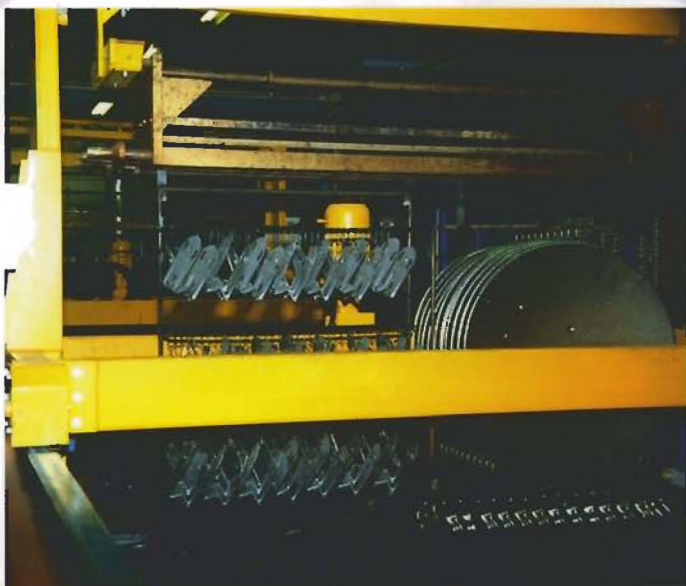
Electrophoretic paint coatings are free of sags, beads and runs. These coatings exhibit excellent salt spray and humidity resistance, high throwing power, good hardness and flexibility.

**Metal Colours** can provide a range of pre-treatment options including zinc phosphate, electroplated zinc or zinc nickel plus passivate, electroplated zinc or zinc nickel plus phosphate.

### COATING PROPERTIES

Paint Process	:	PPG POWERCRON 645 Cationic epoxy coating-high build
Thickness	:	15 - 30 micron, according to specification
Hardness	:	2H minimum
Throwing Power	:	18 - 20cm (Ford Test)
Ductility	:	Very Good
Cross Hatch Adhesion	:	95 - 100%
Weldability	:	Not applicable
Electrical Conductivity	:	Not applicable
EMI Shielding	:	Not applicable
Colour	:	Black
Gloss-60 degree	:	20 - 60%
Corrosion Protection	:	Neutral salt spray resistance 1000 h plus

Film properties based on zinc phosphate pretreatment with chromate seal.







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