



# Iron Oxide Dispersion

**Iron Oxide Dispersion** are mostly used in automotive paints and wood finishes. Meanwhile they are also widely used in the areas of architectural coatings, industrial coatings, powder coatings, art coatings and cosmetics etc. The excellent weather fastness, UV absorption properties, high transparency and color strength make dispersions enrich the colors, increase color shades when combined with organic pigments and dyes and improve the condition of poor weather fastness when organic pigments and dyes are used alone without transparent iron oxide nanoparticles.

## Quick Facts

Purity	: 99.9 %
APS	: 20-100nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH <sub>2</sub> O)
Form	: Slurry, Suspension, Dispersion, Colloidal

## Properties

- ✓ UV absorption
- ✓ High transparency
- ✓ Durability
- ✓ Excellent thermal stability
- ✓ High hardness
- ✓ Excellent optical

## Applications

- ✓ Issue repair, immunoassay, detoxification of biological fluids
- ✓ Hyperthermia, drug delivery and in cell separation
- ✓ Usually have hydrophobic surface properties
- ✓ Medical devices, chemicals and coatings
- ✓ Automotive paints
- ✓ Printing ink
- ✓ Cosmetic industry



Designed by : NANOSHEL LLC



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