

## Spredox D-180 Dispersant for Transparent Iron Oxide in S/B System

### Introduction :

Spredox D-180 is an acid / amine modified polymer dispersant, which has excellent dispersion properties for inorganic pigments and is especially suitable for dispersing metal oxides. Using D-180 to disperse transparent iron oxide in solvent-based systems can effectively reduce the viscosity of the color paste and provide excellent color development.

**Appearance :** Light Yellow Liquid

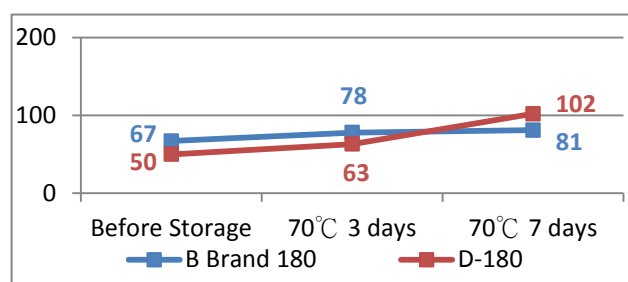
**Solid Content :** 100%

### Viscosity Reduction and Stability Test :

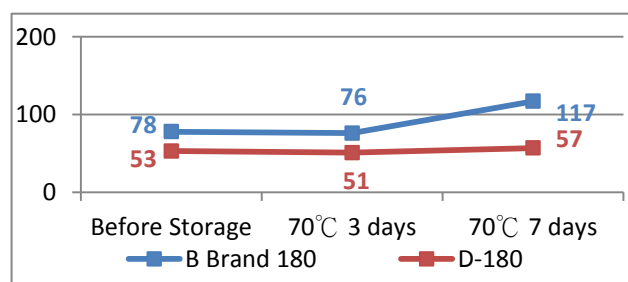
Milled Base	%
Dispersant	10
Transparent Iron Oxide	20
Acrylic Polyol (60%) <sup>1</sup>	25
Co-solvent	45
Total	100

<sup>1</sup>Elemetis FS-2060A

Transparent Iron Oxide Red Unit : cps



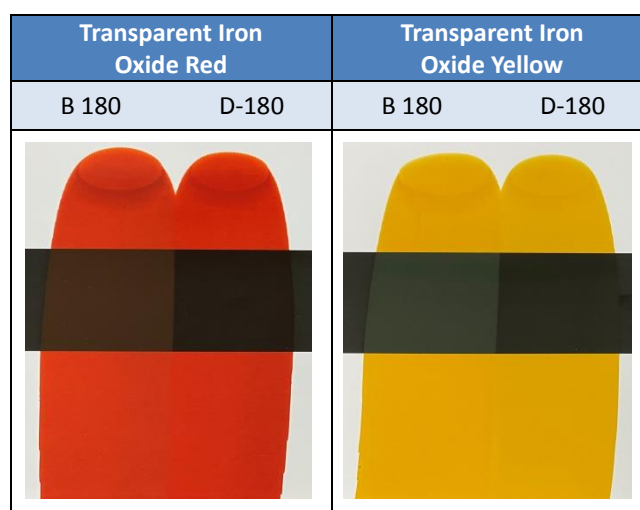
Transparent Iron Oxide Yellow Unit : cps



### Chromaticity Test :

Let Down	%
Milled Base	25
Acrylic Polyol (60%) <sup>1</sup>	15
CAB <sup>2</sup> Solution (20%)	31.5
Co-solvent	28.5
Total	100

<sup>1</sup>Elemetis FS-2060A, <sup>2</sup>Eastman CAB 381-2



Red	L*	a*	b*	Strength
B 180	35.02	47.38	47.32	100.00
D-180	34.45	51.19	56.53	108.65

Yellow	L*	a*	b*	Strength
B 180	67.89	21.08	77.30	100.00
D-180	68.76	19.10	83.33	154.43

### Package and Storage :

- ✧ 25kg / pail
- ✧ 3 years under normal storage

All the information above is based on latest empirical data obtained at DOXA laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.