Dispersing Agent DA193

Product Description

DA193 is a high molecular weight block copolymer with pigment affinic groups. It is a VOC and solvent-free wetting and dispersing additive for waterbase ink and coating systems. It is the standard additive for binder-containing pigment concentrates suitable for all organic pigments.

Physical Properties

Appearance	Liquid
Active Content %	40 +/- 1
Color	< 5 (Garnder No.)
Density	1.03 g/cm3
Boiling Point	>100°C
pH	5-7

Applications

(PRINTING INKS)

Special Features and Benefits

The additive deflocculates pigments by means of steric stabilization. As a result of the small particle sizes of the deflocculated pigments, high levels of gloss can be achieved and the color strength is improved. The transparency is also increased and the viscosity is reduced. In this way, the flow characteristics are also improved and higher pigment loading is possible.

Recommended Use

The additive is especially suitable for producing binder-containing pigment concentrates that are used in aqueous gravure, flexographic, and screen printing inks. The amounts required are low and facilitates the production of cost-effective, highly filled pigment concentrates with good flow properties. The additive reduces the tendency to foam which is often observed when using grinding resins, and it improves the colorant acceptance.

All the information above is based on data obtained at 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.

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Recommended Levels

Amount of additive (as supplied) based upon pigment:

Titanium dioxides: 1-3 %

Organic pigments: 4-6 %

Carbon blacks: 4-6 %

***The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

For optimum performance, the additive should be added slowly (whilst stirring) to the grinding resin or to the shear-stable dispersion. Only add the pigments once the additive has been uniformly distributed.

Packing & Storage

25KG Plastic Pails

200KG Plastic Drums

1000KG IBC

- Shelf Life is 5 years

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