Dispersing Agent DA190

Product Description

DA190 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-free 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-free, stable pigment concentrates with a pigment content of 30-60%. These pigment concentrates can be let down with standard aqueous binders, for example acrylate dispersions or water-soluble acrylic resins.

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Titanium dioxides: 10-12%

Organic pigments, Carbon blacks: 15-50%

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.

Dispersing Agent DA190

Incorporation and Processing Instructions

Grinding should only take place in water (without binders, amines or co-solvents). Mix the additive with water and only add the pigments once the additive has been homogeneously and uniformly distributed.

(COATING INDUSTRY)

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. Transparency and hiding power are also increased and viscosity is reduced. In this way, the flow characteristics are also improved and higher pigment loading is possible.

Recommended Use

Architectural coatings, Wood and furniture coatings, Automotive coatings, Can coatings, Protective coatings, Leather finishes, especially recommended. The additive is recommended for producing binder-free, stable pigment concentrates for aqueous coatings without flooding/floating.

Recommended Levels

Amount of additive (as supplied) based upon pigment:
Inorganic pigments: 20-30%
Titanium dioxides: 10-12%
Organic pigments: 30-75%
Carbon blacks: 130-150%

Incorporation and Processing Instructions

Grinding should only take place in water (without binders, amines or co-solvents). Mix the additive with water and only add the pigments once the additive has been homogeneously and uniformly distributed.

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.

Dispersing Agent DA190

Packing & Storage

25KG Plastic Pails

200KG Plastic Drums

1000KG IBC

- Shelf Life is 5 years

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.