

# Dispersing Agent DA190

Version 2026-10-22b · Revision 2026-10-22

Chemical Group

HMW Block Co-Polymer with  
Pigment affinic groups

## 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.

## Special Features and Benefits (Printing Inks)

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 (Printing Inks)

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 (Printing Inks)

Amount of additive (as supplied) based upon pigment: Titanium dioxides: 10-12% Organic pigments, Carbon blacks: 15-50%

## Special Features and Benefits (Coating Industry)

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 (Coating Industry)

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 (Coating Industry)

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.

## Physical Data

|                              |         |
|------------------------------|---------|
| Density (g/cm <sup>3</sup> ) | 1.03    |
| Form of supply               | Liquid  |
| pH value                     | 5.0-7.0 |

*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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|                                 |       |
|---------------------------------|-------|
| Colour, Gardner scale (Gardner) | ≤5    |
| Active content (%)              | 40%±1 |
| Boiling point (°C)              | >100  |

## Applications

| Coatings           |   | Inks        |   |
|--------------------|---|-------------|---|
| Automotive Coating | ● | Water based | ● |
| Industrial Coating | ● |             |   |
| Decorative Coating | ● |             |   |
| Coil Coating       | ● |             |   |
| Wood Coating       | ● |             |   |
| Powder Coating     | ● |             |   |

● Recommended    ○ Limited suitability    – Not recommended

## Packaging, Shipping & Storage

Dispersing Agent DA190 is supplied as liquid. The product is packed in 25 kg plastic pail, 200 kg plastic drum or 1000 kg IBC and shipped on pallets of 800 kg. Store under normal temperatures, dry and protected from weather. Shelf life: 5 years from manufacturing date.

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