

# Dispersing agent DCA-5172

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 [dcachem.com/portfolio/dispersing-agent-dca-5172/](https://dcachem.com/portfolio/dispersing-agent-dca-5172/)

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## Introduction

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DCA-5172 is a polymer-type superdispersant containing multiple anchoring groups. It demonstrates excellent wetting and dispersing abilities for various organic pigments, especially carbon black. This product can significantly reduce the operational viscosity of the grinding system, increase the pigment load, and possesses strong anti-flocculation and anti-coarsening capabilities. It greatly enhances the storage stability of ground color pastes, ensuring that single pigment pastes do not easily float when color matching.

## Physicochemical Data

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- Chemical composition: Polymer-type polyurethane block copolymer with pigment-affinity groups
- Appearance: Yellow transparent solution
- Active content: 30%
- Solvent: Mixed aromatic hydrocarbons

## Product features

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- DCA-5172 significantly improves the wetting and dispersing ability of the base material for pigment fillers.
- DCA-5172 reduces system viscosity, enhances fluidity, and shortens grinding and dispersing time.
- As a polymer-type superdispersant, DCA-5172 has excellent anti-coarsening capabilities. Compared to low molecular weight wetting and dispersing agents, it significantly prolongs the storage stability of ground color pastes.

## Application areas

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DCA-5172 is suitable for medium to high polarity systems and is well-matched with commonly used coating resins, showing great versatility in coating systems.

## Addition Method

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The addition amount varies depending on the system: 10%-15% for inorganic pigments, 5%-6% for titanium dioxide, 30%-50% for organic pigments, and 70%-100% for carbon black (depending on the specific surface area of the pigment).

### **Packaging and storage:**

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25KG iron drum, stored in a cool and dry place.

**Note:** The purpose of this manual is to provide basic product information to technical personnel involved in the development of coatings, inks, pesticides, and other industries. It is intended for research and reference use and does not carry any warranties. Please conduct preliminary tests to assess its suitability.

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