

## Technical Data Sheet

### Product Name: Nova DA208

High-Performance Dispersing Agent for Carbon-Black and Organic Pigments

Version: 10/2025

### 1. Product Description

**Nova DA208** is a next-generation dispersing additive engineered for **carbon-black and high-surface-area organic pigments** used in modern solvent-based coating systems. Its optimized molecular design provides **strong pigment anchoring, fast wetting, and excellent color development** even at very low dosage levels. The result is **maximum jetness, enhanced gloss, and stable dispersion** during storage and application.

### 2. Applications

**Nova DA208** is suitable for a wide range of solvent-borne systems where deep color and long-term stability are critical:

- **Automotive Coatings:** 2K PU and acrylic topcoats, basecoats, and primers containing carbon-black or organic pigments.
- **Industrial Paints:** Alkyds, epoxies, and modified acrylics requiring excellent color uniformity and gloss.
- **Pigment Concentrates:** Universal black and organic pigment pastes designed for tinting solvent-borne systems.
- **Printing Inks:** Gravure and flexo inks demanding strong color strength and good transfer properties.
- **Metal and Wood Finishes:** Systems where smooth appearance, gloss, and color consistency are essential.

### 3. Physical and Chemical Properties

Property	Specification
Appearance	Clear pale amber liquid
Solubility	Solvent-compatible
Density (g/cm <sup>3</sup> at 25°C)	~0.93 – 0.96 g/cm <sup>3</sup>
pH (1% Solution)	7-9
Active Content	65 – 70 %
Acid Value	20 - 30 mg KOH/g

## 4. Key Benefits & Market Value

- Provides **exceptional color strength and jetness** for carbon-black and deep-tone pigments.
- Enables **low-dosage efficiency** (typically 3 – 4 % on pigment weight).
- Improves **dispersion speed** and **grind fineness** during milling.
- Enhances **film uniformity, flow, and final gloss**.
- Maintains **long-term dispersion stability**, minimizing flocculation and sedimentation.
- Compatible with a wide range of **solvent-borne resin systems** (acrylic, alkyd, epoxy, PU).

## 5. Usage Guidelines :

- **Recommended Dosage:** 3 – 4 % on pigment weight
- **Incorporation:** Add during pigment grinding
- **Pre-dilution** Can be pre-diluted with formulation solvent for easier dosing

## 6. Storage and Handling

- Store in cool, dry place; avoid direct sunlight.
- Keep tightly sealed when not in use.
- Use standard PPE during handling.

## 7. Packaging

- 25 , 50 kg plastic drum
- 200 kg steel barrels.

For customized packaging options, please contact our sales team.

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