

## Technical Data Sheet

### Product Name: Nova DA202

High-Efficiency Wetting & Dispersing Agent

Version: 03/2025

### 1. Product Description

**Nova DA202** is a high-performance wetting and dispersing agent optimized for solvent-based coating systems. It contains anionic and non-ionic components to provide superior pigment stabilization, improved wetting, and lower mill-base viscosity.

**Nova DA202** is formulated for easy incorporation under ambient conditions and is highly effective with TiO<sub>2</sub>, iron oxide, and organic pigments.

### 2. Applications

- Solvent-based architectural and industrial coatings
- High-pigment-volume-concentration (PVC) systems
- Alkyd, polyurethane (PU), nitrocellulose (NC) resins
- Primer surfaces and anticorrosive systems
- General pigment pastes for solvent systems

### 3. Physical and Chemical Properties

Property	Specification
Appearance	Pale yellow
Solubility	Solvent-compatible (aromatic and ester solvents)
Density (g/cm <sup>3</sup> at 25°C)	~0.95 – 0.99 g/cm <sup>3</sup>
pH (1% Solution)	8-9
Active Content	60%
Acid Value	~45 – 50 mg KOH/g

#### 4. Key Benefits & Market Value

- **Fast Pigment Wetting**  
Reduces dispersion time, improving grinding efficiency and pigment yield.
- **Low Viscosity at High PVC**  
Maintains manageable viscosity, even in heavy pigment or filler systems.
- **Broad Resin Compatibility**  
Compatible with alkyd, PU, acrylic, NC, and modified resins used in solvent-based systems.
- **Stability & Anti-Flooding**  
Prevents pigment separation, flooding, and settling during storage.
- **TiO<sub>2</sub> Optimization**  
Increases hiding power and whiteness, helping reduce total TiO<sub>2</sub> consumption.

#### Value-Added Advantage:

- Helps reduce TiO<sub>2</sub> usage by improving pigment efficiency
- Prevents pigment flooding and settling during storage
- Proven performance in **solvent-based primers** and **general-purpose topcoats**

#### 5. Usage Guidelines

- **Recommended Dosage:** 2% – 4% based on total pigment weight
- **Incorporation:** Add during the pigment dispersion phase (grinding)
- **Compatible Solvents:** Xylene, Solvesso 100, ester solvents
- **Pre-Dilution:** Possible with solvents for ease of addition

#### 6. Storage and Handling

- Store in a **cool, dry place**, away from direct sunlight.
- Keep containers **tightly sealed** when not in use to prevent contamination.
- Use **appropriate personal protective equipment (PPE)** when handling.

#### 7. Packaging

- 50 kg drums
- 200 kg steel barrels (non-returnable)

For customized packaging options, please contact our sales team.

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