

Technical Data Sheet

Product Name: Nova FA203

High-Performance Defoamer for PU–Cementitious & Industrial Flooring (Solvent Base).

Version: 09/2025

1. Product Description

Nova FA203 is a next-generation defoamer engineered for **PU–cementitious and high-performance flooring systems**. Its advanced silicone–hydrocarbon technology ensures outstanding control of microfoam and entrapped air during mixing and roller application, delivering smooth, defect-free surfaces even under demanding conditions.

This product has been specially developed for pigmented, filled, and high-viscosity flooring coatings, offering reliability across PU, cementitious hybrid, and heavy-duty protective systems.

2. Applications

- PU–cementitious flooring systems (roller-applied, pigmented, heavy filler)
- Industrial and decorative flooring coatings
- PU topcoats for construction and architectural flooring
- Protective and marine flooring systems
- Cementitious hybrid flooring where air release is critical

3. Physical and Chemical Properties

Property	Specification
Appearance	Clear to pale yellow liquid
Solubility	Solvent-compatible defoamer system
Specific Gravity @ 20°C	~ 0.86 – 0.92 g/cm ³
pH (10% solution)	8- 10
Viscosity @25°C	< 1000 cPs

4. Key Benefits & Market Value

- **Powerful Air-Release Performance** – Effectively eliminates both visible foam and microbubbles, preventing surface pinholes and film defects in roller-applied flooring.
- **Universal Flooring Compatibility** – Optimized for PU–cementitious hybrids, PU coatings, and heavy-duty industrial flooring systems
- **Superior Surface Quality** – Ensures smooth, glossy, and uniform appearance with no cratering or haze.
- **Trusted in Construction & Industrial Markets** – Developed to meet the rising demand for durable flooring solutions.
- **Easy to Use** – Liquid form, easily incorporated without heating or complex processing.

5. Usage Guidelines

Recommended Dosage: 0.10–0.4% based on total formulation.

Addition Method: Add during pigment dispersion or at let-down stage under low shear.

 **For best results,** Start at 0.10% and adjust according to performance.

6. Storage and Handling

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

7. Packaging

- 25 , 50 kg Pails
- 200 kg barrels.

For customized packaging options, please contact our sales team.

Disclaimer

The information provided herein is for general informational purposes only and is not guaranteed to be accurate, complete, or up-to-date. This document does not replace professional, technical, legal, or regulatory advice.

All information is provided "as is" without any warranties, express or implied, including but not limited to suitability, reliability, or fitness for a particular purpose. PT Chemical Additives Innovations disclaims any liability arising from actions taken based on this information.

© 2025 PT Chemical Additives Innovations. All rights reserved. This document is protected under international copyright laws.

For Technical Support & Product Inquiries

 **Email:** info@chemanova.com

 **Website:** www.chemanova.com