

Densurf DA 405

Wetting Agent

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PRODUCT DESCRIPTION

Densurf DA 405 is a pigment affinic material used as a wetting agent.

It supports the dispersion stability with the steric effects.

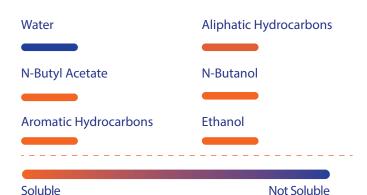
APPLICATIONS & KEY FEATURES

Densurf DA 405 is highly effective for the pigment wetting. Excellent pigment wetting helps the the viscocity reduction and improves the color properties of the system.

The Main Application Areas of the Densurf DA 405 are:

- Wood Coatings
- Protective Coatings
- General Industrial Paints

SOLUBILITY



**Detailed knowledge about the suitable diluents can be asked to the technical support team. The provided diluents are the refferances according to the most common application areas.

STORAGE

Please store the unopened packaging between 5°C - 35°C. The shelf life is at least 24 months for unopened packagings. Close the packaging cap tightly after use.

WARNING! Keep away from the acids, the heat and the moisture.

SPECIAL NOTES

Densurf DA 405 can be used for the excellent color properties especially in the synthetic paints.

It has excellent viscosity reduction properties for the long oil alkyd resin containing systems.

TECHNICAL PROPERTIES

- Chemical Structure: Hydroxy functional acid ester
- Appearance: Clear brownish liquid
- Amine Value: 68.00 ± 3.00 mg KOH/g
- Density $(20^{\circ}C)$: 0.92 ± 0.02 g/mL
- Solid Content (10 mins., 160° C): $98.50 \pm 1.50 \%$

SYSTEM

Long Oil Alkyd Resins

Short Oil Alkyd Resins

Methacrylate-Based Resins

Medium Oil Alkyd Resins

Acrylic Polyol Resins

Suitable Not Suitable

DOSAGE

Titanium dioxide: 0.50 - 2.00 % (by weight as supplied based on the pigment amount)

Inorganic pigments: 5.00 - 10.00 % (by weight as supplied based on the pigment amount)

Extenders: 0.30 - 0.80 % (by weight as supplied based on the pigment amount)

Co-grinding systems: 0.30 - 1.00 % (by weight as supplied based on the pigment amount)

Organic pigments: 8.00 - 20.00 % (by weight as supplied based on the pigment amount)

Carbon Black: 10.00 - 30.00 % (by weight as supplied based on the pigment amount)

PROCESS RECOMMENDATION

The additve should be added into the millbase and premixed in the binder or solvent before the pigment is added.

This technical data sheets provide directions for the application instructions of the products. These recommendations are in line with the present state of knowledge and do not provide any guarantee. Velimeşe Organize Sanayi Bölgesi Mah. 259. Sok. No:4/1 Ergene / Tekirdağ / Türkiye | T: +90 (282) 674 54 00 | F: +90 (282) 674 50 01 | info@densurf.com | www.densurf.com | Document No: FR.04-001 Publish Date: 11.03.2022 | Revision Date: 01.03.2025 | Revision No: 001 | Info. Label: Public

^{**}Detailed knowledge about the compatible systems can be asked to technical support team. The provided systems are the refferances according to the most common application areas.