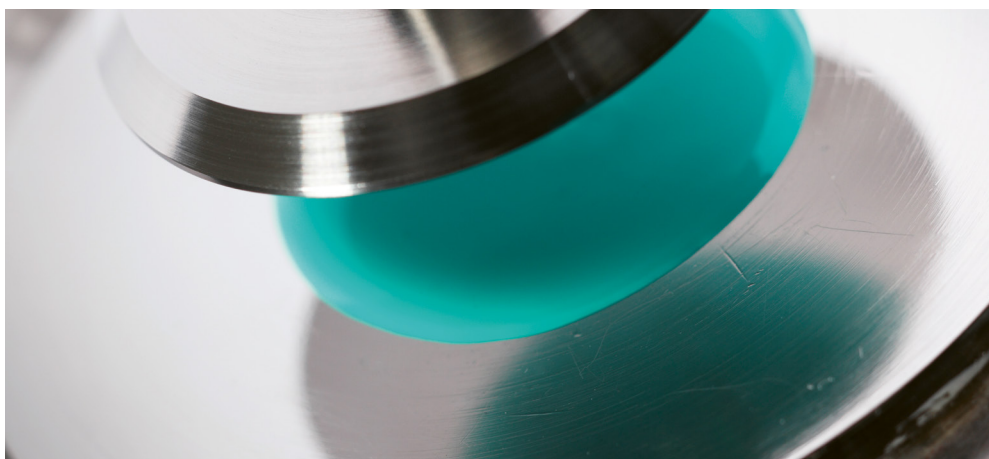
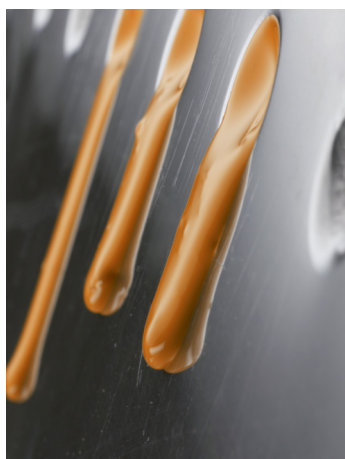


Rheology modifier for decorative coatings

AEROSIL® R 972, AEROSIL® 200 and TEGO® Viscoplus Series: TEGO® Viscoplus 3000, TEGO® Viscoplus 3010, TEGO® Viscoplus 3030 and TEGO® Viscoplus 3060



Rheology is crucial for the success of the paint at every step like manufacturing, storage and final application. In both – solventbased and waterborne formulations – rheology modifiers help to achieve the desired rheological behavior.

Rheology Control

- AEROSIL® can be used in solvent- and water-based systems
- Fast viscosity recovery
- Efficient viscosity increase at a low dosage level by 100 % active matter


AEROSIL® primarily served as a tool for adjusting rheology during production, application and storage. AEROSIL® allows to optimize the dispersion characteristics and stability of the pigments used, as well as the flow properties and thickness of applied films.

AEROSIL® 200

- Rheology and thixotropic control of liquid systems, binders and polymers
- Used as anti-settling, thickening and anti-sagging agent

AEROSIL® R 972

- Hydrophobic component for thickening
- Water resistant, hydrophobing of liquid systems
- Rheology control of complexes liquid systems
- Used as anti-settling agent, pigment stabilization and improvement of corrosion protection

 Solid/Powder

Anti-sagging: spray application

Coating system: Unsaturated polyester



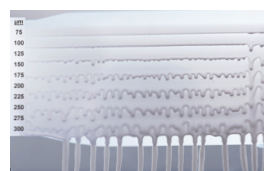
Reference – 250 g/m³



AEROSIL® 200 – 550 g/m³

Anti-sagging: maximum wet film thickness

Coating system: Water-based filler



Reference



2.0% AEROSIL® R 972



[Click here for more information!](#)

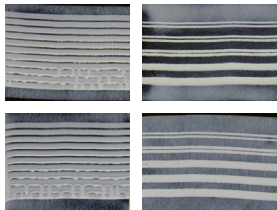
Rheological Additives

- TEGO® Viscoplus series can be used in water-based systems
- Easy to incorporate
- Rheology profiles from newtonian to strong pseudoplastic flow behavior
- Low impact on gloss
- Excellent compatibility with tinting system

The TEGO® Viscoplus product range consists of associative, polyurethane thickeners which satisfy the latest requirements of the industry. All TEGO® Viscoplus products are liquid and free from organic solvents, alkylphenolethoxylates and organotin compounds. Each TEGO® Viscoplus product has a different rheological profile. The various products could be combined easily with each other due to their excellent compatibility.

Improved sag resistance and levelling

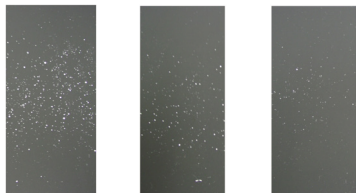
Semi-Gloss Emulsion paint, PVC: 29%, Solids content: 56%



6.5% pseudoplastic PU-Thickener
1.2% Acrylate Thickener
(strong pseudoplastic)

2.5% TEGO® Viscoplus 3030
0.5% TEGO® Viscoplus 3060

Anti-spating effect in architectural paints



Semi-Gloss
Emulsion paint
PVC: 29%
Solids content: 56%

Original

+ 0.5% TEGO®
Viscoplus 3030

+ 1.0% TEGO®
Viscoplus 3030

TEGO® Viscoplus 3000

- Newtonian thickener
- Constant thickening over the broad shear range
- Universally applicable
- For water-based paints & coatings
- Efficient drag resistance and prevent spattering
- Higher gloss and better leveling
- Active matter: 25 %

TEGO® Viscoplus 3010

- Newtonian thickener
- Especially for ICI-viscosity
- Very strong high shear thickening
- Universally applicable
- For water-based paints & coatings
- Efficient drag resistance and prevent spattering
- Active matter: 60 %

TEGO® Viscoplus 3030

- Pseudoplastic flow behavior, which means the viscosity decreases with increasing shear loading
- Universally applicable
- For water-based paints & coatings
- Efficient structure viscosity
- Active matter: 60 %

TEGO® Viscoplus 3060

- Strong pseudoplastic flow behavior, which means the viscosity decreases with increasing shear loading
- Universally applicable
- For water-based paints & coatings
- Active matter: 60 %

 Solution

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