

Get ready for TiO₂ reformulations

Additives for High Quality solvent-borne direct grinds



tego[®]

ACEMATT[®]

AEROSIL[®]

Nowadays TiO₂ formulations are under pressure. Increasing regulations and commercial viability leads to continuous improvement of TiO₂ formulations. With the optimum dispersing agents from Evonik Coating Additives you will be able to achieve your goals.

PRODUCT PORTFOLIO

TEGO[®] Dispers 628

- Excellent for base paint manufacturing
- For inorganic pigments especially TiO₂
- Strong viscosity reduction and good wetting properties
- Improves colorant acceptance of solvent-borne paints

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Recommended addition level: As supplied calculated on inorganic pigment: 5.0 – 20 %
Recommended addition level for co-grind: 0.3 – 3.0 %

- Active matter content approx. 50 %
- Solvent methoxypropylacetate / xylene 1 : 1

TEGO[®] Dispers 655

- For universal colorants and solvent-borne formulations
- Highest efficiency with inorganic pigments
- Long-term viscosity stability
- High colorant acceptance and low ΔE in tinting system with TiO₂

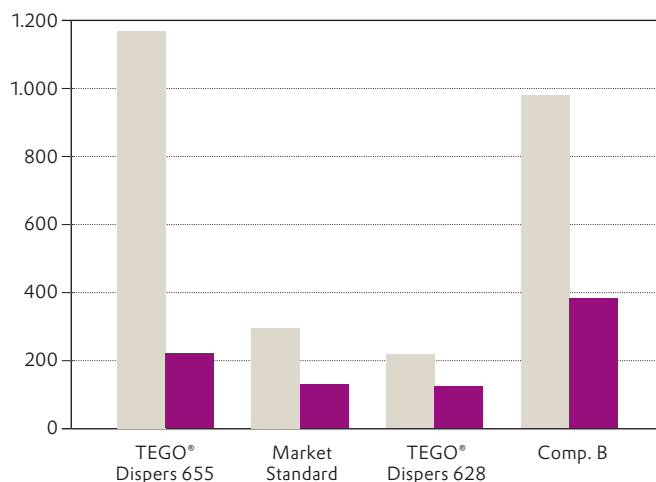
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Recommended addition level: As supplied calculated on inorganic pigment: 2.0 – 15.0 %

- Solvent-free
- APE-free
- 100 % solid

STRONGEST VISCOSITY REDUCTION IN WHITE BASE 2-PACK PU COATING FORMULA

Viscosity [mPas] initially ($D = 10 \text{ s}^{-1}$, 100 s^{-1})

Viscosity [mPa*s]



CONCLUSION:

TEGO® Dispers 628

- Excellent viscosity reduction, especially at low shear rates

TEGO® Dispers 655

- Pseudoplastic flow behavior and long term viscosity stability

Shear rate: $D = 10 \text{ s}^{-1}$

Shear rate: $D = 100 \text{ s}^{-1}$



The new Business Line Coating Additives offers a broad range of additives to further improve your formulation:

- **AEROSIL®** fumed silica for optimum rheology control and pigment stabilization during production, application and storage. **AEROSIL® 200** and **AEROSIL® R 972** are recommended for anti-sagging and anti-settling effect for high quality wood coating applications
- **ACEMATT®** silica-based matting agents can be easily used for gloss reduction in almost any type of coating formulation. High efficiency to achieve deep-matte and excellent surface appearance with high transparency. **ACEMATT® TS 100**, **ACEMATT® 3300** as well as **ACEMATT® OK 412** are recommended for high quality wood coating applications.
- **TEGO® Airex** deaerators prevent the formation of air inclusions and pinholes, e.g. **TEGO® Airex 931** is universally used in solvent-borne formulations. It is also highly effective against macro-foam but still compatible. **TEGO® Airex 990** is highly suitable for wood and furniture coatings.

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Evonik Resource Efficiency GmbH
 Goldschmidtstraße 100
 45127 Essen
 Germany
 Phone +49 201 173-2222
 Fax +49 201 173-1939
 info-tego@evonik.com