







Masthead

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Managing Editor (responsible) Dr. Hans Günther Wey

Contact info-tego@evonik.com

Design MERZ Werbeagentur, Düsseldorf Translation Dr. John Haim, Christopher Howard

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About us

TEGO – one of Evonik's leading brands.

As the leading supplier of specialty chemicals worldwide, Evonik offers its customers in the coatings and printing inks industry a unique range of products under the TEGO brand name. Our portfolio is the result of experience gained over 30 years in which we have researched and developed optimal solutions together with, and for our customers. With over 200 products, the range currently includes not only defoamers and deaerators but also wetting and dispersing additives, leveling additives, radiation-curing additives, substrate wetting additives, rheological additives, hydrophobing agents and even cobinders, specialty binders and nanoresins.

We get rid of air from paints, make surfaces glossy and ensure lacquers are scratch-resistant. Environmental concerns are always of key importance when developing new products.

Besides our extensive expertise in providing tailor-made solutions, our numerous contacts in more than 40 countries are an additional advantage. This underlines our philosophy of developing intelligent products for new applications not only for, but together with customers. We look forward to your challenge and are confident that we can find an advantageous solution for you.

TEGO - Adding Advantages.



Pigment wetting and stabilization

Wetting and dispersing additives wet and stabilize the most diverse pigments. An effective reduction in viscosity with tailor-made additives is the prerequisite for the manufacture of low VOC formulations. At the same time maximum color intensity is achieved through optimum pigment wetting.

The use of TEGO® Dispers products also enables costs to be reduced. As a result of the low viscosity, pigment loading can be significantly increased and a greater amount of pigment can be dispersed in each milling cycle. Therefore, production time and energy consumption can be minimized.

Wetting and dispersing additives for pigment wetting and stabilization in the direct grind

Paint system	Inorganic	Organic
	TEGO® Dispers 652	TEGO® Dispers 670
	TEGO® Dispers 628	TEGO® Dispers 628
2-pack Epoxy	TEGO® Dispers 670	TEGO® Dispers 672
	TEGO® Dispers 670	TEGO® Dispers 670
	TEGO® Dispers 656	TEGO® Dispers 685
2-pack PU	TEGO® Dispers 628	TEGO® Dispers 650
	TEGO® Dispers 656	TEGO® Dispers 650
	TEGO® Dispers 628	TEGO® Dispers 670
Other binders	TEGO® Dispers 710	TEGO® Dispers 710
	TEGO® Dispers 670	TEGO® Dispers 670
	TEGO® Dispers 628	TEGO® Dispers 685
Pigment concentrates	TEGO® Dispers 656	TEGO® Dispers 671







Defoaming and Deaerating

Increasing the solids content at working consistency and the limited choice of solvents significantly affect the air release from high solids coatings. Consequently, they are frequently prone to pinholing. Clear coats, in particular, demand the use of highly efficient and compatible deaerators.

Effective deaerating combined with good compatibility can be achieved with tailormade deaerators.

Defoamers/Deaerators for high solids coatings

Paint system	Clear	Pigmented
	TEGO® Airex 931	TEGO® Airex 940
	TEGO® Flow 3701	TEGO® Airex 944
Alkyd	TEGO® Flow ZFS 4601	TEGO® Foamex N
	TEGO® Airex 945	TEGO® Airex 944
	TEGO® Airex 990	TEGO® Airex 990
2-pack PU	TEGO® Flow 3701	TEGO® Foamex N
	TEGO® Airex 990	TEGO® Airex 944
	TEGO® Foamex K 71*	TEGO® Airex 962
2-pack PU polyaspartics	TEGO® Airex 962	TEGO® Airex 990
	TEGO® Airex 931	TEGO® Airex 990
	TEGO® Airex 962	TEGO® Airex 931
Polyester/melamine	TEGO® Flow 3701	TEGO® Airex 936
	TEGO® Airex 910	TEGO® Airex 940
	TEGO® Airex 900	TEGO® Airex 944
2-pack Epoxy	TEGO® Airex 922	TEGO® Airex 991

¹ silicone-free * not available in the US

Slip and flow additives

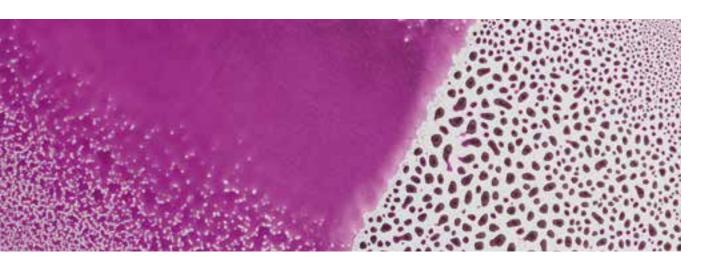
Inadequate flow is a frequently observed weakness of high solids coatings. There is a tendency to use low molecular weight binders to achieve a low coating viscosity. The choice of solvent, which also has a major influence on flow, is limited by regulatory constraints.

Depending on siloxane content and molecular weight, our additives promote the slip and flow/leveling characteristics of the finish and also effectively prevent cratering and foam formation.

| Slip and flow additives for high solids coatings

Paint system	Clear	Pigmented
Alkyd	TEGO° Glide 450 TEGO° Glide B 1484 TEGO° Flow 370¹	TEGO° Glide 100 TEGO° Glide A 115 TEGO° Flow ZFS 460
2-pack PU	TEGO° Flow 425 TEGO° Glide 415° TEGO° Flow 370¹	TEGO° Glide 415° TEGO° Glide 100 TEGO° Flow ZFS 460
2-pack PU polyaspartics	TEGO° Glide 411* TEGO° Glide 415* TEGO° Wet 505 ¹	TEGO® Glide B 1484 TEGO® Glide A 115 TEGO® Wet 5051
Polyester/melamine	TEGO° Flow 425 TEGO° Glide 100 TEGO° Flow 3001	TEGO® Glide 100 TEGO® Flow ZFS 460 TEGO® Glide 415®
2-pack Epoxy	TEGO° Flow 370 TEGO° Glide 450 TEGO° Glide 406	TEGO° Glide 450 TEGO° Glide B 1484 TEGO° Flow ZFS 460

¹ silicone-free * not available in the US



Substrate wetting and anti-crater effect

Optimal substrate wetting is a prerequisite for defect-free finishes. Differences in surface tension, caused for example by contaminants, prevent the formation of a continuous film. This can result in cratering.

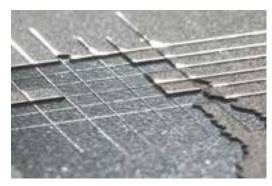
Depending on siloxane content and molecular weight, our additives promote block resistance and slip and prevent cratering (see also Slip and Flow Additives).

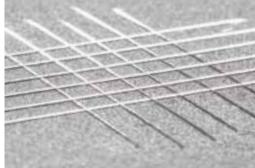
The molecular weight and, where necessary, the siloxane content of products in the TEGO® Wet range are chosen to ensure that coatings remain easily recoatable.

Anti-crater additives for high solids coatings

Paint system	Clear	Pigmented
	TEGO® Glide 450	TEGO® Glide 450
	TEGO® Glide 100	TEGO® Glide 100
Alkyd	TEGO® Wet 270	TEGO® Glide 110
	TEGO® Wet 280	TEGO® Wet 280
	TEGO® Wet 270	TEGO® Wet 270
2-pack PU	TEGO® Flow 425	TEGO® Flow ATF 2
	TEGO® Wet 260*	TEGO® Wet 270
	TEGO® Wet KL 245	TEGO® Twin 4000
2-pack PU polyaspartics	TEGO® Wet 5051	TEGO® Wet 260*
	TEGO® Glide 415*	TEGO® Glide 415*
	TEGO® Wet 270	TEGO® Wet 270
Polyester/melamine	TEGO® Flow 425	TEGO® Flow 425
	TEGO® Wet 270	TEGO® Wet 270
	TEGO® Glide 450	TEGO® Glide 450
2-pack Epoxy	TEGO® Glide 410	TEGO® Glide 410

¹ silicone-free * not available in the US





Co-Binders

The fundamental properties of a coating are decisively influenced by the choice of the main binder. However, it is not always possible to achieve the required properties in this manner.

TEGO co-binders positively influence properties such as hardness or flexibility, gloss, touch-drying speed and viscosity and, in particular, improve adhesion to diverse substrates such as plastics and metals.

Co-binders for high solids coatings

		Improved adhesion	
Product	Active substance	particularly on	Particular feature
TEGO® VariPlus AP	100%	Metals	Increases gloss
TEGO® VariPlus SK	100%	Metals and plastics	Increases hardness and gloss
TEGO® AddBond LTH	100%	Metals	Increases hardness
TEGO® AddBond LTW/LTW-B	60 % in xylene or butyl acetate	Metals and plastics	Increases elasticity
TEGO® AddBond HS	75 % in butyl acetate	Metals and plastics	Increases elasticity

Specialty Binders

The 100% liquid silicone-epoxy hybrid SILIKOPON* EF is a main binder for demanding exterior applications. The use of SILIKOPON* EF in formulations achieves effective corrosion protection, high gloss and good stability to UV radiation.



| Specialty binders for high solids coatings

Product	Active substance	Application	Particular feature
SILIKOPON® EF	100%	heavy duty corrosion protection, good resistance to weathering and chemicals	good anti-graffiti effect

TEGO Hotline +49 201 173-2222

Africa

Eavet

Egyptian Promoters Center PHONE +202 2291-8272 FAX +202 2415-5023

Sub Saharan Africa Evonik Africa (Pty) Ltd PHONE +27 31 765-1658 FAX +27 31 765-1658

Americas

Argentina

Mayerhofer Argentina S.A. PHONE +54 11 4555-4003 FAX +54 11 4554-3915

Evonik Degussa Brasil Ltda. PHONE +55 11 3146-4124 FAX +55 11 3146-4140

Colombia INCOPACK S.A.

PHONE +57 4 313-0164 FAX +57 4 313-4988

Europe

Evonik Industries AG PHONE +49 201 173-2222 FAX +49 201 173-1939

Belgium

Evonik Industries AG PHONE +49 201 173-2222 FAX +49 201 173-1939

Bulgaria

HSH Chemie EOOD PHONE +359 2808-8283 FAX +359 2808-8260

Czech Republic

HSH Chemie s.r.o. PHONE +420 2 612-23555 FAX +420 2 612-25971

France

Evonik Industries AG PHONE +33 800 914-091 FAX +49 201 173-1939

Germany

Evonik Resource Efficiency GmbH PHONE +49 201 173-2222 FAX +49 201 173-1939

Great Britain

Evonik Industries AG PHONE 0808 2343051 FAX +49 201 173-1939

Greece

Goldchem EPE PHONE +30 210 68-25802 FAX +30 210 68-34537

Hungary HSH - Chemie Kft. PHONE +36 1 450-3210 FAX +36 1 450-3229

Italy

Evonik Industries AG PHONE 800 871276 FAX +49 201 173-1939

Netherlands

Evonik Industries AG PHONE +49 201 173-2222 FAX +49 201 173-1939

Poland

Evonik Industries AG PHONE +48 42 71536-10 FAX +48 42 71536-05

Portugal

Horquim - Representações, I da PHONE +351 22 967-0496 FAX +351 22 967-3287

Romania

HSH Chemie SRL PHONE +40 21 313-7778 FAX +40 21 315-7864

Russia

OOO Evonik Chimia PHONE +7 495 721-2862 FAX +7 495 721-2852

Scandinavia

Evonik Industries AG PHONE +49 201 173-2222 FAX +49 201 173-1939

Slovenia

Parka d.o.o. PHONE +386 4 502-2810 FAX +386 4 502-2819

Evonik Industries AG PHONE 0900 968309 FAX +49 201 173-1939

Switzerland

Evonik Industries AG PHONE +49 201 173-2222 FAX +49 201 173-1939

Turkev

Evonik Degussa Ticaret Ltd. Sti. PHONE +90 216 395-9961 FAX +90 216 395-9650



For further information about listed and not listed countries please contact the International Sales/Technical Support Hotline or get your information at www.tego.de.





Evonik Resource Efficiency GmbH

Goldschmidtstraße 100 45127 Essen Germany

PHONE +49 201 173-2222 FAX +49 201 173-1939 www.tego.de www.evonik.com

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