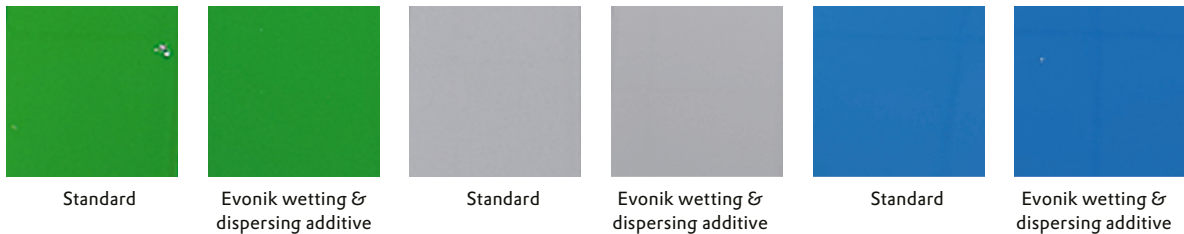


Floor coatings – A challenging environment demands efficient solutions through high performance additives across the value chain

TEGO® Dispers 686, TEGO® Airex 900, TEGO® Wet 500, TEGO® Glide 496

Wetting & dispersing additives for solventborne/solvent-free system

- TEGO® Dispers 686 (100% solid): For solventborne-dispersible matting agent pastes. Wets and stabilizes matting agents in solventborne medium.
- TEGO® Dispers 656 (100% solid): Suitable for solventborne, waterborne, and radiation-curing formulations and for universal colorants. Primarily stabilizes inorganic pigments, fillers, and effect pigments like aluminum pigments.
- TEGO® Dispers 628 (50% solid): For medium to high polarity solvents. Provides outstanding viscosity reduction with inorganic pigments, especially titanium dioxide. Color acceptance of bases containing TEGO® Dispers 628 is good.



TEGO® Wet 500 and TEGO® Wet 270

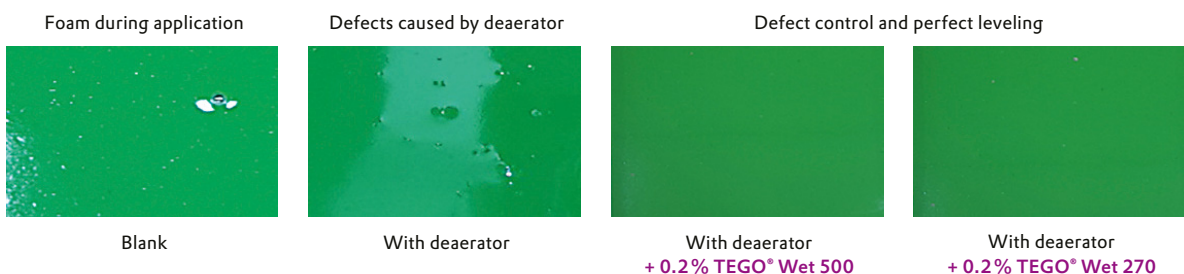
100% solid



High performance wetting agents that provide defect control with excellent leveling effect

- Highly active and broadly usable, suitable for solvent-free and waterborne coatings
- Excellent substrate wetting and strong surface tension reduction along with flow promotion
- Offers defect control and excellent leveling performance to improve surface appearance

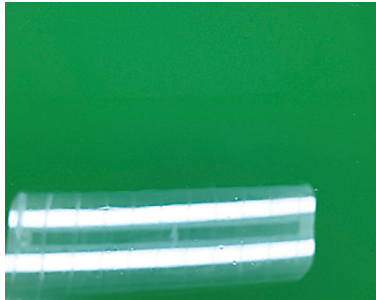
Interfacial tension control for leveling and defect elimination



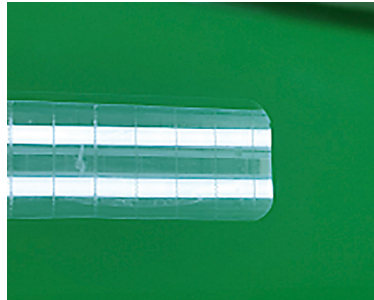
Surface control additives

TEGO® Glide 496 (100% solid)

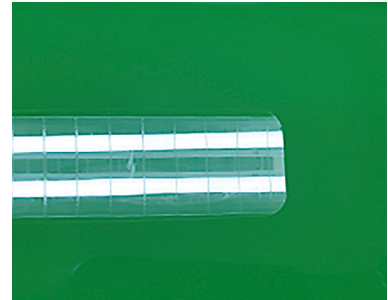
- Highly compatible & recoatable
- Excellent leveling
- Excellent anti-cratering properties



Standard



With TEGO® Glide 496



With TEGO® Glide 496 & TEGO® Flow 370

- Image of coating surface with reflection of overhead light bank

Deaerators for solventborne/solvent-free system

TEGO® Airex 900 – the versatile deaerator for emission free coatings

- Organo-modified polysiloxane, 100% deaerator concentrate for emission free formulations
- Outstanding performance in high viscosity and high build coatings
- Excellent for 2K epoxy system, especially for self-leveling system
- Fast and efficient in foam breaking for both macro-foam and micro-foam

Visualization of deaerator performance at 0.3% loading by weight



- No leveling agent or surfactant added

Other defoamers/deaerators for 100% solid system

TEGO® Foamex 840

Defoamer concentrate based on polyether siloxane technology. Contains no fumed silica. Provides good long-term effectiveness and additional deaeration effect.

TEGO® Airex 944

Outstanding performance in 2K PU solvent-free formulation, also suitable for broad range of coating systems.

TEGO® Airex 990

A highly compatible deaerator concentrate that shows very high effectiveness in high solids coatings. Very suitable for clear coats.

TEGO® Airex 922

Siloxane-free deaerator that combines strong defoaming with excellent compatibility. Very efficient for solvent-free system.

Guideline formulation:

Solvent-free epoxy self leveling topcoat

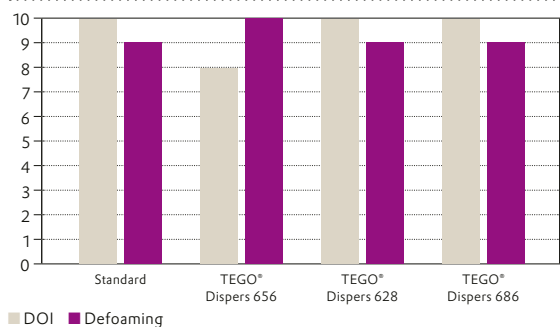
Epoxy self leveling	Functionality	% by weight
Part A - Base		
Epoxy Resin (EEW=190)	Epoxy resin	30.0
(C12-C14 Mono functional RD)	Epoxy diluent	3.3
TEGO® Foamex 840	Defoamer	0.9
TEGO® Dispers 686	Dispersing agent	1.0
TEGO® Flow 370	Flow & leveling	0.3
TEGO® Wet 500	Wetting	0.5
TEGO® Glide 496	Slip & Mar	0.1
Epoxy Colour paste	Colour paste	3.0
Part B		
Silica Extender	Filler	47.7
Part C		
Ancamine® 2810	Curing agent	13.2
TOTAL		100.0

Epoxy colour paste – as required.

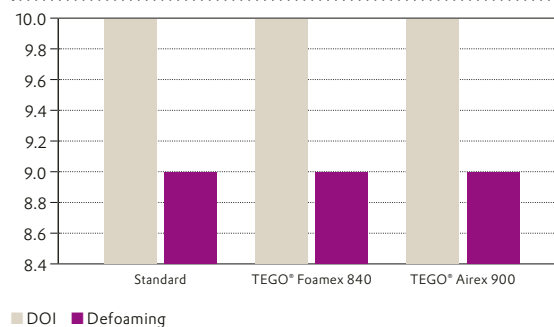
For three component system i.e. A: B: C (sometimes dry pigments are also added) of formulations are mixed separately & packed.

Lab findings:

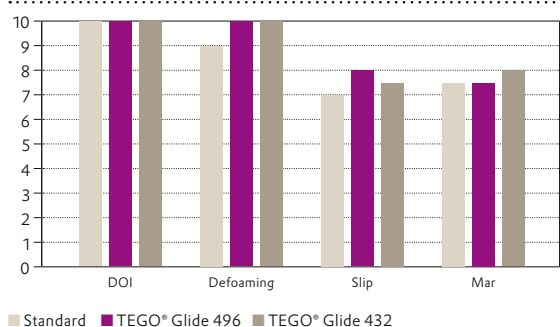
For wetting & dispersing additives



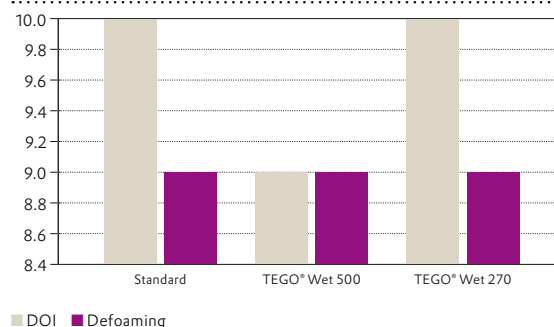
For defoamer/deaerator



For slip & mar additives



For substrate wetting additives



Rating 0–10: 0 = worst, 10 = best

Product recommendations for solvent-free & solvent-containing system:

Wetting & dispersing

TEGO® Dispers 686
TEGO® Dispers 656
TEGO® Dispers 628

Defoamer/deaerator

TEGO® Foamex 840
TEGO® Airex 900
TEGO® Airex 910
TEGO® Airex 931

Flow & leveling

TEGO® Flow 370

Dynamic substrate wetting

TEGO® Wet 500
TEGO® Wet 270
SURFYNOL® 420

Surface control

TEGO® Glide 496
TEGO® Glide 432

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