

TEGO® Humectant 7005 for Binder-Free Colorants

TEGO® Humectant 7005 is an ultra-low VOC humectant with low influence on paint properties.

Advantages:

- Complies with VOC requirements of colorant formulations
- Achieves better open time
- Prevents nozzle caking and dispenser blocking
- Allows better fluidity
- Compatible humectant with good rheological behavior
- Increases color strength
- Freeze-thaw stable



TEGO® Humectant 7005 fulfills all current VOC regulations in the US and Europe.

VOC Weight %
by Standard:
US Regulations
per method
ASTM D6886-14

Retention Time (Min)	Standard	TEGO® Humectant 7005	TEGO® Humectant 7000	PEG 400	Comp. 3200	Comp. 3
15.24	Diethyl Adipate	0.00	0.00	0.21	0.09	2.73
15.40	Tetradecane	0.00	0.00	0.21	0.09	2.73
17.97	TXIB	0.00	0.00	0.58	0.09	4.37
22.37	Methyl Palmitate	0.00	0.00	1.57	0.09	10.70

European Regulations
per method
DIN EN ISO11890/2

	VOC	SVOC
TEGO® Humectant 7000	< 0.1%	0.6%
TEGO® Humectant 7005	< 0.05%	0.07%

TEGO® Humectant 7005 performs slightly better than the market standard in open time.

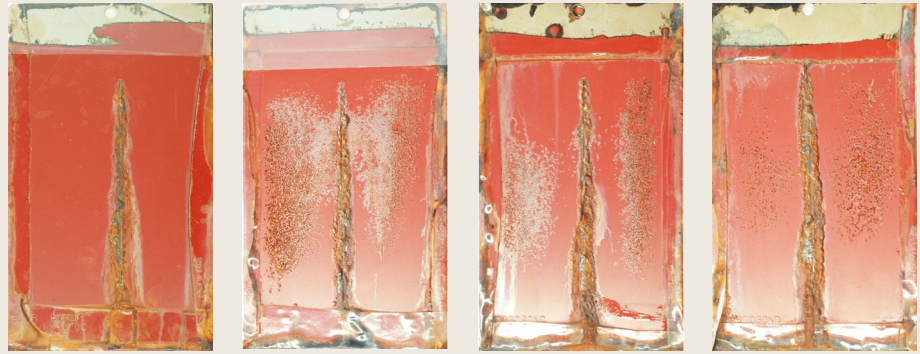
Left to right:
Blank, Market Standard,
TEGO® Humectant 7005.



Test set-up:
5 g colorant filled in a lid and dried at
23° at 25% relative humidity for 8 hours.

i [Click here for more information!](#)

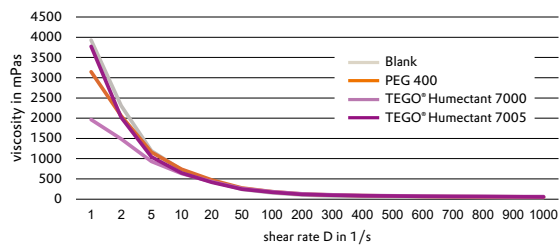
Coatings formulated with TEGO® Humectant 7005 perform better than the market standards in a salt spray test.



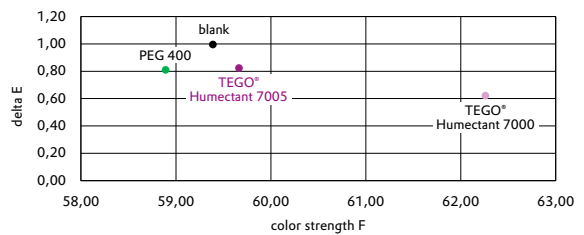
Left to right:
Blank, market standard,
TEGO® Humectant 7000,
TEGO® Humectant 7005.

TEGO® Humectant 7005 imparts good or better rheology control, color strength, and compatibility on the coating formulation compared to alternatives.

Viscosity PB 15:4 Colorant

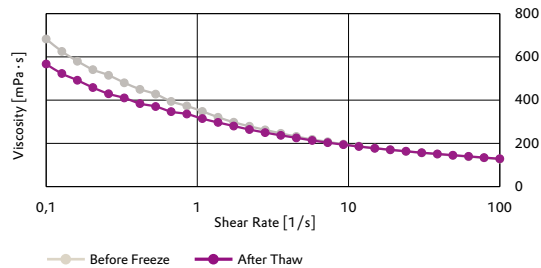


PB 15:4

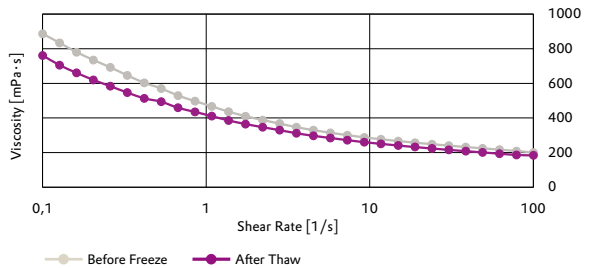


TEGO® Humectant 7005 shows better freeze-thaw stability than alternatives, including PEG 400.

PEG 400



TEGO® Humectant 7005



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