



HANSA[®] ADD 1045

Overcoatable levelling additive with high slip and anti-crater effect

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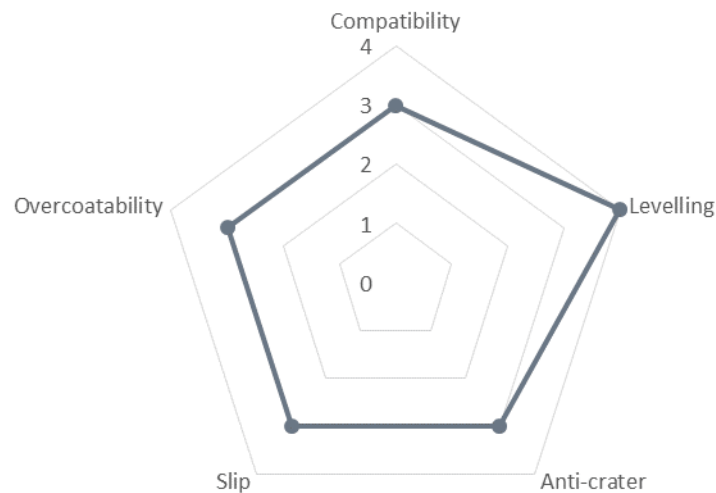
HANSA[®] ADD 1045

Overcoatable levelling additive with high slip and anti-crater effect

HANSA[®] ADD 1045 is a universally applicable, highly efficient levelling additive for water and solvent based wood and industrial coatings.

HANSA[®] ADD 1045 particularly stands out as low foaming anti-crater additive which can be easily overcoated. Due to its very good compatibility based on a special chemical composition, HANSA[®] ADD 1045 is excellently suited for transparent high gloss systems which are not only imparted with enormous slip properties but additionally with an improved scratch resistance.

Effects



0 less suited
4 extremely suited

- HANSA[®] ADD 1045 particularly stands out for its slip effect and its simultaneous overcoatability.
- HANSA[®] ADD 1045 neither affects the gloss of coating systems nor does it lead to any turbidity.

Without additive



With HANSA® ADD 1045



Example: transparent, solvent-based wood coating without and with HANSA® ADD 1045.

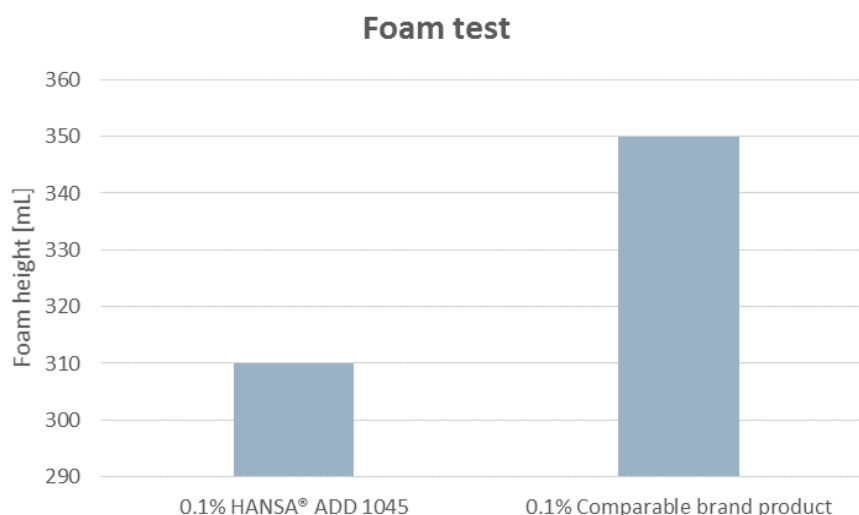
Foaming tendency

The disadvantage of surface-active additives is that their strong foam stabilisation often leads to an insufficient incorporation into a coating at high shear forces. In comparison to common surface-active products, HANSA® ADD 1045 clearly foams less and offers thus the advantage of a smooth and effective incorporation during the manufacturing process.

The following test shows the foaming tendency in comparison with a common surface-active additive on the market.

Test:

- Preparation of a 0.1 % additive solution in distilled water
- 100 g of the solution were stirred with a dissolver for 30 s at 2500 rpm
- The foamed solution was filled into a tared graduated cylinder and the foam height was evaluated.



Characterisation

	HANSA® ADD 1045
Appearance	cloudy liquid
Concentration	approx. 100 %
Viscosity	< 2000 mPas
Surface tension – 0.1% in water	32.5 mN/m
Recommended application amount [%]	0.1 – 1.0%

Advantages

- Low foaming tendency
- Imparts coatings an excellent surface slip with simultaneous overcoatability
- Highly efficient even at low application quantity
- Easy to incorporate
- Improves substrate wetting behavior by reducing the surface tension
- VOC-free according to EU guideline 2004/42/EG
- Free from mineral oil and from APEO
- Stable at pH values of 3.0 - 13.0