

LABITEX WB 644 BLISTER

Product description:

Water based blister varnish for blistering of (AL) aluminum caps to (PS) polystyrene cups.
Designed for blistering packaging for sour cream, yogurt, etc.

Physical characteristics:

Flash point:	> 100°C
Viscosity (20°C):	30 ± 5 (DIN-4)
Solid content:	40 ± 4%
pH:	8.1±0,3
Gloss (60°):	> 35
Slip:	Low
Rub resistance:	Medium
Hot stamping:	Yes
Gullibility:	Yes
Freeze stability:	Testing is needed

Product features:

- Activation temperature above 180°C

Substrate:

AL/PS	***	*** Perfect suitable
PET&Cardboard/PS	*	** Suitable
Non-absorbant substrates ¹	X	* Tests recommended
Treated non-absorbant substrates ¹	X	X Not suitable

¹Label paper, laminated cardboard and synthetic substrates (PP, PE, PVC, OPP and etc.)

Application:

- Equipment: Offset press coating unit.
The recommended coat for aluminum caps is 5-6 grams per m² applied in two coats.
Blistering conditions: 0.5-1 sec, 180-200°C, and pressure 3 bar.
Recommended coat for PET/cardboard is 2-3 grams per m², applied in two coats.
Blistering conditions: 0.5-1 sec, 180-200°C, and pressure 3 bar.
The recommended anilox is 60 lines/cm with a cell volume of at least 20 cm³/m².
Anilox with a different cell volume may be used depending on the substrate and other application conditions.
The quality of blistering depends greatly on the layer and the quality of the substrate!
It is recommended to lead testing of blistering before the main print run!
- Printing recommendations The machine should be adapted to work with the water-based materials, including rollers and hoses. The temperature of printing machine should be controlled to avoid overheating and sticking in the foot.

Prior tests are recommended before any commercial work.

The information contained herein is based on our knowledge, true and correct. Any recommendations are made without guarantee, as the conditions of use are beyond our control. Our technical department may be contacted for further information.

STIR COATING WELL BEFORE USE!

WATER BASED COATINGS APPLICATION GENERAL GUIDELINE

Application viscosity:	As supplied.
Coating diluent:	Water. 5% maximum.
Coating drying:	Hot air flow 50-60°C. The temperature in the pallet should be below 35°C.
Equipment clean-up:	Liquid coating – warm water. Dried coating – ethyl acetate or another solvent.
Coating and inks:	It is not recommended to varnish oil based offset paints based on the following unstable pigments: Warm Red, Rhodamine, Purple, Purple, Blue Reflex, Blue 072. In this case, use special resistant colors.

It is possible to apply the UV-coating on top of the Labitex WB varnish dried film. For the best adhesion of the UV coating special primer is recommended.

Prior tests are recommended!

Ecology and safety:	For specific environmental/food compliance requirements, please contact our technicians for more information.
Storage:	The recommended storage temperature is 18-22°C. Shelf life is 12 months in closed original packaging.
Safe handling:	All works should be proceeded in the ventilated working area. For more information, please, see the MSDS.

STIR COATING WELL BEFORE USE!

Notes

- All information provided in this Technical Data Sheet (TDS) including the recommendations for application is based on our current knowledge and experiences.
- The information about technical specifications (such as slip angle or reactivity) is based on our examinations under laboratory conditions and the mentioned values can differ from the practice.
- This document is provided for informational purposes only and do not release users from carrying out their own tests and trials.
- We reserve the right to change product properties according to the newest requirements of technical progress, amendments and additions to the list of restricted raw materials. These changes do not bring negative impact on the technical characteristics of the product.

Prior tests are recommended before any commercial work.

The information contained herein is based on our knowledge, true and correct. Any recommendations are made without guarantee, as the conditions of use are beyond our control. Our technical department may be contacted for further information.