

LABITEX WB 690 HR

Product description:

A glossy water-dispersion heat-resistant varnish designed to provide maximum gloss and transparency. The varnish offers good block resistance when applied offline and excellent adhesion to porous and non-absorbent substrates. Recommended for use with in-mold label technology.

Physical characteristics:

Flash point:	> 100°C
Viscosity (20°C):	40±5 (DIN-4)
Solid content:	43,2±2%
pH:	9,5±0,8
Gloss (60°):	> 55
Slip angle:	14°±4°
Rub resistance:	High
Hot stamping:	Have to be tested
Glueability (without special glue):	Have to be tested
Freeze stability:	Have to be tested

Product features:

- High heat resistance (up to 250 °C)
- High clarity and gloss
- Excellent adhesion to a variety of substrates including aluminium foil
- Good blocking resistance for offline printing application
- Highly recommended for in-mold label application

Substrate:

Paper	***	*** Perfect suitable
Cardboard	***	** Suitable
Non-absorbent substrates ¹	**	* Tests recommended
Treated non-absorbent substrates ¹	**	x Not suitable

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

Application:

- Equipment: Offset press coating unit; flexographic printing; gravure printing method; in-mold label technology.

The machine should be adapted to work with the water-based materials, including rollers and hoses.

- Film thickness: 2-10 g/m² (strongly depends on the absorbency of the substrate).

STIR COATING WELL BEFORE USE!

Version dated 13.05.2022

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.

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.

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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.

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