

LABITEX WB 650 B

Product description:

Glossy water-based barrier varnish with barrier properties in relation to liquid and food fats & oils. Created for food functional packaging, including packaging for direct contact with food. Viscosity of varnish may be variable.

Physical characteristics:

| | |
|-------------------------------------|------------------|
| Flash point: | > 100°C |
| Viscosity (20°C): | 30±5 (DIN-4) |
| Solid content: | 41±3% |
| pH: | 9,0±0,4 |
| Gloss (60°): | < 70 |
| Slip: | 13±4 |
| Rub resistance: | Good |
| Hot stamping: | Testing required |
| Glueability (without special glue): | Testing required |
| Freeze stability: | Testing required |

Product features:

- High barrier properties in relation to liquids, fat & oils.
- Suitable for direct contact with food.
- Viscosity of varnish may be variable.

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.
- Recommended varnish coat: Coating weight depends strongly on the paper (board) substrates. To ensure barrier properties, it is recommended to apply a layer of at least 6-8 g/m² "dry" for highly coated substrates. For lightly coated or porous substrates, it is recommended to apply twice with a layer of at least 6-8 g/m² dry on each layer with intermediate drying or preliminary priming of the substrate with a varnish or primer suitable for printing food packaging. The coated layer properties strongly depends on the absorbency of the substrate to be printed. To obtain reliable barrier properties of the coating, it is important to apply a sufficient layer of varnish to evenly close the pores of the substrate to prevent the penetration of food components through uncovered areas into the substrate.

Please note that barrier coatings must be tested to meet customer requirements under the conditions of intended use. All components of the machine, including shafts and hoses must be adapted to work with water materials. The temperature in the foot should be controlled (not higher than 30°C) in order to avoid overheating and gluing.

STIR COATING WELL BEFORE USE!

Version dated 15/09/2020

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. 1% maximum. |
| Coating drying: | Hot air flow 50-60°C. The temperature in the pallet should be below 30°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. |

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. Guaranteed 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.

Version dated 15/09/2020

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.