

LABITEX WB 1595 SOFT TOUCH

Product description:

Deep matt water-based coating with the outstanding SOFT TOUCH effect.
 Acceptable rub resistance, possibility of the foil stamping.
 The two-side printing is not recommended.

Physical characteristics:

Flash point:	> 100°C
Viscosity (20°C):	45 ± 5 (DIN-4)
Solid content:	33±3 %
pH:	8,2±0,2
Gloss (60°):	< 2
Slip angle:	30°±5°
Rub resistance:	Acceptable
Hot stamping:	Yes
Glueability (without special glue):	Yes
Freeze stability:	No

Product features:

- Deep mat
- Outstanding SOFT TOUCH effect

Substrate:

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

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

Application:

- Equipment: Offset press coating unit.

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

STIR COATING WELL BEFORE USE!

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.

Application guideline LABITEX WB 1595 SOFT TOUCH

Specific features of the WB 1595

The WB1595 has low drying speed. The surface of the coating is dull matt, that is why all unevenness of the surface are visible. That unevenness could be caused by differences in absorbency of the substrate roughened surface of the rollers and Blankets or application defects. That is why it is very important to choose right substrate and make press maintenance before printing.

Press maintenance:

1. The coating unit should be properly cleaned, including varnish pumping system and rollers. The deep cleaning agent should be used if needed.
2. Check the blades. Make sure that the blade is fixed plane with the uniform pressure. In appropriate cases change the blade to a new one.
3. When possible, please use new coating blanket and under blanket.
4. Check the coating distribution in the chamber and on the blanket. Make adjustments if needed.

Substrate choice:

1. The varnish layer depends on the substrate. For qualitative cellulose cardboard, the guide varnish supply is 4 g/m². For absorbent substrates, the coating layer should be thicker.
2. The more the absorbency of the substrate, the more difficult to achieve the even layer. In case of recycled cardboard usage the water-based primer is needed (the primer film thickness could be significant). Some UV-varnishes can be primers to, like the LABITEX UV 579 GS
3. The coating is possible to apply with two passes.
4. The inks on the substrate should be dried. (Especially in case of conventional offset prints. Undried ink cause the visible unevenness of the coating layer.)
5. In-line offset application of the varnish with smooth layer is possible only on UV-inks.

Coating:

1. Any thinners and additives are not recommended.
2. The coating speed should not be high (not more than 8000 prints/hour or 100 meters/minute).
3. The hot air blow with maximal temperature is recommended for drying.
4. In order to prevent the blocking, maximal temperature in the pallet is 35°C.

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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!

Storage:	The recommended storage temperature is 18-22°C. Guaranteed shelf life is 12 months in closed original packaging. Keep from freezing and heating.
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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