

Technical Data Sheet

WESSCO® 37.111.01

UV curable, Specialty, clear coating, removable, designed for use with Signite® Label Technology.

Product Description

This product is designed to be the first down coating
With printable, releasable, and with varnish properties
UV curing under conditions atmospheric.

For use in food contact application please contact ACTEGA Regulatory compliance for use in indirect food contact application with functional barrier.

For flexo units only

General Information	
Product Type	Coatings
Product Technology	UV curing
Field Of Application	Labels, Others, Pressure Sensitive Labels
Properties	Optical Brightener
Optic	Glossy

Product Characteristics			
Viscosity	• ~475 mPas +/- 125 (Pa*s at 25°C)		
Solid Content	100 + / - 0%		
Hot Foil Stamping	No	Glueability	No
CoF dynamic on film	0.32	Anti Penetration	No
Specific Density (wet)	1.054 g/ml / 0.069 lb/oz Theoretical		

Substrate Recommendation

- PP / OPP / BOPP approved Signite® substrates

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Application Method

- Stir well before use!
- The property profile of the coating film is given in case of a complete curing. The curing depends on the efficiency of lamps, life of UV lamps, machinery speed, general conditions of the UV unit (reflectors, etc.), temperature and the distance from the UV unit to the substrate. We recommend to clean regularly the reflectors and - if necessary - to change the lamps in case of a drop in lamp efficiency.
- A strong absorption on absorbent surfaces can cause an insufficient curing of the UV varnish, sensory problems, mechanical influence as well as rub resistance problems and poor slip properties.
- The printing inks should be suitable for coating. The resistance against alkali, alcohol and solvents should be given in accordance to DIN ISO 2836, former DIN 16524, to exclude any colour change.
- The total structure of substrate/printing ink/varnish must be cured/dried sufficiently before processing and should be checked during the process.
- Do not pollute the varnish with washing water or other varnishes.
- The increase of the slip angle can't be excluded in case of temperature and humidity. Storage tests are necessary.

Storage Instructions

- Shelf-life 12 months
- Storage in closed original containers
- Protect from frost, heat and sun exposure
- Place under the exclusion of light.
- Storage at temperature between 5°C and 35°C

Regulatory Compliance

- P: +41 (0) 44 712 64 00;
- For information about the food legislation assessment of this product (e. g. demands on the Nestlé Standard St-80.001 „Printing Inks for Food Packaging" (version 04-2022) and the Swiss Ordinance (SR 817.023.21 - ordinance of the Swiss Confederation on materials & articles in contact with food) or FDA & California Proposition 65) we ask you to contact our department for quality, environment and product safety.

Additional Information

Application Press: Flexo
Application Anilox: 27 - 37.5cm³ / 18-25 BCM
Typical Press Speed: 45m/min
Cure Rate: 157 Watts/cm, mercury vapor bulb
MEK Rub resistance: > 50 rubs w/1.8kg wt, face to 4000 grit paper
Rub resistance: > 500 rubs w/1.8kg wt, face to 4000 grit paper

Contact Information

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Disclaimer

The characteristics contained herein constitute binding product specifications which we warrant provided the conditions and testing methods mentioned therein are used. Any other subjective or objective requirements concerning the products are excluded. Any information herein about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. No warranties of merchantability or fitness for a particular purpose are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties.