



SWISS BRILLIANCE IN COATING

TECHNICAL DATA SHEET

# F-19247 WESSCO® 3002 UV-COATING HIGH-GLOSS

Viscosity 40s DIN #4, 18s Zahn #3, 180 CPS

**Neither suitable for gluing nor foil stamping, high reactivity**

Solvent-free, UV-curable high-gloss coating for refinement of paper, board and plastic film.

**Not suitable for coating of food stuff and other sensitive packaging. This applies for secondary packaging too, unless a barrier avoids migration of substances to the content. Before the finished secondary packaging is brought into circulation corresponding migration tests shall be conducted.**

**For sheet-fed press with coating unit, Flexo- unit and roller coater. Off-line application.**

## 1. Application

- Packaging
- Commercial printing

## 2. Product Properties

- **low odor**
- liquid
- solvent-free (100% system)
- colorless
- light sensitive
- heat sensitive

## 3. Properties of the finished product

Even, smooth and high gloss appearance:

- **not suitable for gluing**
- **not suitable for foil stamping**
- **high slip**
- high degree of refinement
- high scuff resistance
- high chemical resistance
- can be further processed immediately
- suitable for folding and creasing, depending upon substrate
- can be recycled with de-inking process

## 4. Technical Data

Solid content	100 %
Flashpoint	>100°C (212°F)
Viscosity 23°C (73.4°F)	
-DIN #4 Cup;	40 ± 2 s
-Zahn #3 Cup;	18 ± 4 s
-Centipoises;	180 CPS
Reactivity per lamp 80 W/cm	45 m/min
(200 W/inch) reference value	(150f/min)

## 5. Further Processing

Preliminary tests are imperative!

## 6. Coating preparations

- **Stir very well before use.**
- Check machine for cleanliness.

## 7. Processing

- 7.1 Method of Application:  
Roller application  
Chamber blade application
- 7.2 Speed  
Must be adapted to number, power and state of UV-lamps as well as to substrate to achieve full curing of the coating.
- 7.3 Curing  
Degree of curing may vary, depending upon substrate and state of UV-curing equipment.
- 7.4 Cleaning  
Clean all equipment with appropriate washes after use.
- 7.5 Stacking behavior  
Check regularly degree of curing, temperature and flatness at delivery end.

## 8. Packaging

Canister	25 kg (6.6 gallon, 55.12 lb)
Drum	200 kg (55 gallon, 440.93 lb)
Tote	1000 kg (275 gallon, 2204.62 lb)

## 9. Safety Precautions

Refer to WESSCO® 3002 Material Safety Data Sheet complying with Regulation 91/155/EEC and observe warnings on packs.

## 10. Transport

**Non dangerous good!**

Please refer to "General technical information for WESSCO® UV coatings".

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The information contained in this publication is correct to the best of our knowledge and belief. No liability can be accepted on our part. Given the many different applications and processing methods, you should always conduct your own tests on our products before commencing production.