



SWISS BRILLIANCE IN COATING

TECHNICAL DATA SHEET

# F-19239 WESSCO® 37.296.03 UV-COATING HIGH-GLOSS FOR EFFECT

Viscosity 60s DIN #4, 27.5s Zahn #3, 280 CPS

## For effect coating, high reactivity

Solvent-free, UV-curable high-gloss coating for inline processing with Hybrid inks and oil-based coat for effect coating on paper and board.

**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 and intermediate dryer after the last printing unit. Inline application.**

## 1. Application

- Effect coating

## 2. Product Properties

- low odor
- high reactivity
- liquid
- solvent-free (100% system)
- slight milky
- light sensitive
- heat sensitive

## 3. Properties of the finished product

Even, smooth and high gloss appearance:

- constant effect with oil-based coat
- good slip
- high degree of refinement
- high scuff resistance
- high chemical resistance
- 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;	60 ± 5s
-Zahn #3 Cup;	27.5 ± 4s
-Centipoises;	280 CPS
Reactivity per lamp 80 W/cm	70 m/min
(200 W/inch) reference value	(230 f/min)

## 5. Further Processing

Preliminary tests are imperative!

## 6. Printing inks

- hybrid inks with intermediate dryer
- oil-based varnish in the last printing unit

## 7. Coating preparations

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

## 8. Processing

### 8.1 Method of Application:

Roller application  
Chamber blade application

### 8.2 Speed

Must be adapted to number, power and state of UV-lamps as well as to substrate to achieve full curing of the coating.

### 8.3 Curing

Degree of curing may vary, depending upon substrate and state of UV-curing equipment.

### 8.4 Cleaning

Clean all equipment with appropriate washes after use.

### 8.5 Stacking behavior

Check regularly degree of curing, temperature and flatness at delivery end.

## 9. 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)

## 10. Safety Precautions

Refer to WESSCO® 37.296.03 Material Safety Data Sheet complying with Regulation 91/155/EEC and observe warnings on packs.

## 11. 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.