



SWISS BRILLIANCE IN COATING

TECHNICAL DATA SHEET

# F-19281 WESSCO® 3741 UV LV COATING HIGH GLOSS

Viscosity 35s DIN #4, 16s Zahn #3 Cup, 155 CPS

**Not suitable for gluing or foil stamping, high reactivity**

Solvent-free, UV-curable high-gloss coating for refinement of laminates.

**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.**

**In-line application.**

**1. Application**

- Laminate

**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:

- **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;	35 ± 5 s
-Zahn #3 Cup;	16 ± 5 s
-Centipoises;	155 CPS
Reactivity per lamp 80 W/cm	90 m/Min.
(200 W/inch)reference value	(297 f/min)

**5. Further Processing**

Preliminary tests are imperative!

**6. Coatingreparations**

- **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, 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**

Canisters	25 kg (6.6 gallon, 55 lb)
Drum	200 kg (55 gallon, 440 lb)
Tote	1000 kg (275 gallon, 2204 lb)

**9. Safety Precautions**

Refer to WESSCO® 3741 Material Safety Data Sheet complying with Regulation 1907/2006/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.