



SWISS BRILLIANCE IN COATING

TECHNICAL DATA SHEET

F-19249 WESSCO® 30.356.06 UV-COATING HIGH-GLOSS

Viscosity 33s DIN #4, 15s Zahn #3, 145 CPS

UV-coating on digital prints with anti-penetration properties

Solvent-free, UV-curable high-gloss coating for finishing 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.

Sheet fed presses using flexo/roller coater application. In- and Offline application.

1. Application

- Digital Prints

2. Product Properties

- **Anti-penetration properties**
- **low odor**
- liquid
- solvent-free (100% system)
- colorless
- light sensitive
- heat sensitive
- **high reactivity**

3. Properties of the finished product

Even, smooth and high gloss appearance:

- **not suitable for gluing**
- **not suitable for foil stamping**
- 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; | 33 ± 3s |
| -Zahn # 3 Cup; | 15 ± 4s |
| -Centipoises; | 145 CPS |
| Reactivity per lamp 80 W/cm | 90 m/min. |
| (200 W/inch) reference value | (300 f/min) |

5. Further Processing

Preliminary tests are imperative!

6. Varnishing preparations

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

7. Processing

- 7.1 Method of Application:
Roller / chamber coating 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® 30.356.06 Material Safety Data Sheet complying with Regulation 1907/2006/EC 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.