



SWISS BRILLIANCE IN COATING

TECHNICAL DATA SHEET

F-19293 WESSCO® 3704 UV-Coating HIGH-GLOSS

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

Suitable for gluing or foil stamping, high reactivity

Solvent-free, UV-curable high-gloss coating for inline processing with GALACRYL Primer on conventional printing inks 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.

For sheet-fed press with coating unit. In-line application.

1. Application

- Packaging
- Commercial printing

2. Product Properties

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

3. Properties of the finished product

Even, smooth and high gloss appearance:

- **suitable for gluing**
- **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;	60 ± 5s
-Zahn #3 Cup;	27.5 ± 4s
-Centipoises;	280 CPS
Reactivity per lamp 80 W/cm	80 m/min
(200 W/inch) reference value	(270 f/min)

5. Further Processing

Preliminary tests are imperative!

5.1 Gluing:

- do not print on/over gluing flaps
- do not use water based primer on gluing flaps
- test glue first for suitability

5.2 Foil stamping:

- check adhesion of coating
- maintain constant application of coating
- check foil for suitability
- blocking parameters: optimize power, time and temperature

6. Coating 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

Black canister	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® 3704 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".

No.1 /03.09

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.