



WESSCO® UV adhesives for film laminating
are solvent-free, UV-curing adhesives for film laminating of
printed paper and board

FACT SHEET

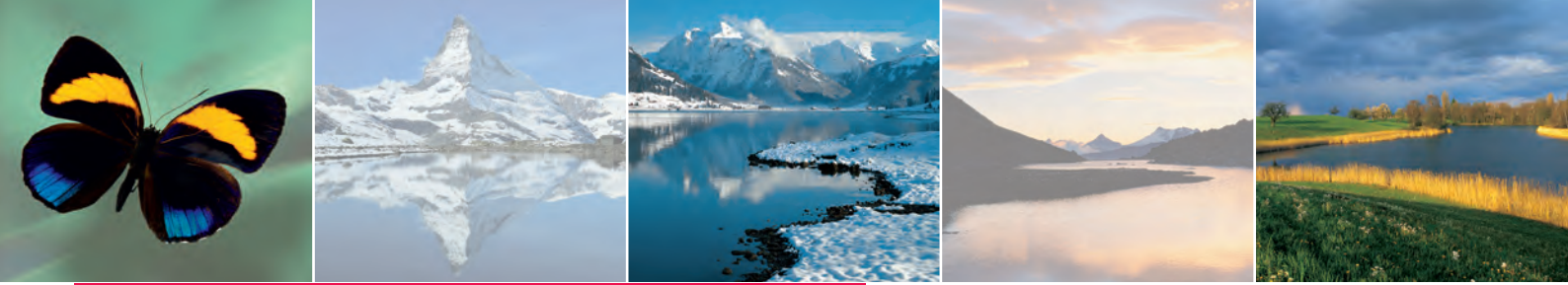
WESSCO®

UV ADHESIVES FOR FILM LAMINATING

USER-FRIENDLY, ENVIRONMENTALLY SAFE,
NON-HAZARDOUS



SWISS BRILLIANCE IN COATING



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PRODUCT PROPERTIES

WESSCO® UV adhesives for film laminating

- Liquid
- Solvent-free (100% system)
- Colourless
- Low odour
- Light-sensitive, heat-sensitive
- Non-hazardous

Laminate properties

Continuous, matt or high-gloss

- Maximum protection
- Excellent scuff and water resistance
- High resistance to chemicals
- Suitable for immediate further processing
- Suitable for grooving and creasing
- High tensile strength
- Recyclable
- Check for suitability when laminating food packaging

SPECIFICATIONS

WESSCO® UV adhesives for film laminating

- Solid content 100%
- Flash point > 100°C

PACKAGING

Canister	25 kg
Barrel	200 kg
Container	600 / 1000 kg





REQUIREMENTS for optimum results with WESSCO® UV adhesives for film laminating

Substrates

- Use coated paper and board with slight absorbency only.
- Beware of curling when using lightweight substrates.
- Let the stack rest in the production room.
- The surface tension of the substrate should be at least 35 mN/m.

Printing inks

- Use solvent- and alkali-proof printing inks according to DIN 16524.
- Do not use scuff-resistant printing inks.
- The use of metallic printing inks may cause problems. Consult the ink supplier.
- When using metallic inks, do a test lamination to check for discolouration, flaking and adhesion.

Precautions in connection with printing inks

- Do not use surface-active additives such as silicone or wax.
- Do not use scuff-resistant pastes.
- Use the correct quantity of dampening solution additives.
- Use powder sparingly. Too much powder or powder of an unsuitable grain size has a negative effect on the final product.

WESSCO® UV adhesives for film laminating

- Stir well before use.
- Do a test lamination.

Film

- Use pretreated OPP film (corona).
- The surface tension of the film should be at least 38 mN/m.
- Check the film for sweating.
- Only use OPP film, 12–15 µm gloss.

DIRECTIONS FOR USE WESSCO® UV adhesives for film laminating

UV lamps

- Minimum capacity: 80 W/cm
- A film forms by radical polymerisation triggered by UV radiation in the wave range of 250–400 nm.

Machine speed

- Must be adjusted to the number, output and condition of the UV lamps and to the substrates in order to achieve full curing.
- Under normal conditions, a speed of 25 m/min per lamp can be achieved.

Application

- Roller application at 40°C.

Cleaning

- Clean equipment with alcohol after use.

Test methods prior to and during processing

- Test the resistance of printing inks to solvents and alkali according to DIN 16524 or with SRAG test fluid.
- Check the surface tension of the substrates, printing inks and OPP film with SRAG test ink or test pens.
- Check the adhesion between substrate, printing inks and OPP film in advance.

SAFETY MEASURES

WESSCO® UV adhesives for film laminating

See our safety data sheet according to 91/155/EEC and observe the warnings on the packaging!

- Avoid contact with skin and eyes.
- May be irritant to skin and mucous membranes.
- Wear safety gloves and goggles.
- In case of contact with skin, wash off immediately with soap and water.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Take off immediately all contaminated clothing.

STORAGE

WESSCO® UV adhesives for film laminating

- Guaranteed storage time of 12 months in original, closed container at 10–25 °C. For longer storage, please consult the manufacturer.
- WESSCO® adhesives are very light-sensitive:
 - Protect from sunlight.
 - Caution: Window glass has no filter effect!



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8 reasons for becoming a Schmid Rhyner partner

- Your innovation partner Schmid Rhyner is a dynamic, growing company with 40 years of experience in the development and manufacture of UV and water-based coatings; we work with our partners to develop products that meet the needs of the market.
- Your quality partner Schmid Rhyner products are manufactured in consistently high quality and to very narrow tolerances to ensure that our customers can rely on reproducible top quality.
- Your technology partner With Schmid Rhyner, you have access to the latest findings that result from our ongoing research and development efforts.
- Your problem solver Our experts will support you with practical tips in all questions regarding coating, give fast and competent advice and help solve problems.
- Your ecology partner Schmid Rhyner products are 100% solvent-free, recyclable, very eco-friendly and do not need to be declared as hazardous materials. This means that our customers save disposal costs and special charges.
- Your market partner With a market presence in more than 90 countries, Schmid Rhyner and our distribution partners offer customers a wide-ranging distribution network and on-site support.
- Your service partner Thanks to state-of-the-art production equipment and selected logistics partners, we can deliver our top-quality products on time even under difficult circumstances.
- Your coating partner We at Schmid Rhyner sum up our corporate philosophy with the slogan „Swiss Brilliance in Coating“. With this slogan, we commit ourselves to providing technically brilliant products, today and in the future.

TALK TO US – WE’LL BE HAPPY
 TO PROVE OUR COMPETENCE!



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