HAFTVERBUNDE
UND BESCHICHTUNGEN
SELF-ADHESIVE MATERIALS
AND COATINGS

NEW STANDARDS FOR LABEL PRINTING

VPF IS DEVELOPING EXTREMELY DURABLE PET ADHESIVE BOND FOR PERMANENT OUTDOOR MARKINGS

Sprockhövel, February 26, 2019: After a long development period and extensive test series, the labelstock manufacturer VPF GmbH & Co. KG from Sprockhövel is introducing a new PET high-performance adhesive bond for durable outdoor markings. The material is 55 µ strong, white-matte, furnished with a special top coat finishing and especially suitable for subsequent printing using thermal transfer processes. In various tests, the adhesive bond proved to be extremely resistant against UV radiation and chemicals as well as during fluctuations in temperature and humidity.

The PET material withstood UV radiation of more than 5,000 hours in accordance with DIN EN ISO 4892-3 as well as temperature ranges from -40°C to 160°C without any problems. Furthermore, various weathering tests to simulate permanent fluctuations in temperature and humidity were successfully passed. As a result, the material is predestined for all permanent outdoor markings.

In addition to subsequent thermal transfer printing, it can also be used in all conventional printing processes. The thermal transfer ribbons Ricoh B110CU and 3M 92904 display highest degrees of resistance against ethanol, fuel, diesel, brake liquid, motor oil and acetone.

Photo: Labels made of the new PET composite material (VPF 70739) are the perfect solution for durable applications, as exemplified here by charging systems for electric vehicles.

PERFECTLY SUITABLE FOR DEMANDING LOGISTICS SOLUTIONS

The PET material is well-suited for permanent special labels in combination with the aggressive UV acrylate adhesive HM 716 UV and with adhesive application weights ranging from 19 to 35 g/m^2. Areas of application include challenging solutions for type plates, electronic components and logistics solutions, for example labeling pallet cages and stockyards.

In addition to its outstanding resistance against UV radiation, chemicals, temperature and humidity, the acrylate adhesive also features high adhesive power. It is significantly higher than that

of conventional UV acrylate adhesives for initial adhesion and final adhesive power (FTM1 after 24 hours on glass at 25 g coating weight > 28 N/25 mm).

The new adhesive bond is available at VPF in Sprockhövel immediately under the designation 70739 (special PET foil white matte 55 µ Dura TC) / HM 716 UV). The minimum order quantity is only 500 m^2 (with 32 g coating weight and white glassine B800-473, 80 g, siliconized on both sides). The material is also available in silver matte or glossy white upon request. A minimum order quantity of 2,500 m^2 applies for all custom solutions with individual adhesive application weights or liners.

About VPF

Since 1967, VPF has been supporting and shaping the European market for self-adhesive materials and coatings as an idea generator, partner and problem solver. Expertise and a strong focus on customer and market needs are the foundations on which the company develops innovative solutions. With state-of-the-art production facilities, dedication and flexibility, VPF turns these solutions into quality products for paper and film applications of all kinds. **www.vpf.de**

Company contact
Kai Klimek
VPF-Veredelungsgesellschaft mbH für Papiere und Folien & Co. KG
Harkortstraße 14 –16, 45549 Sprockhövel (Germany)
Tel: +49 2339 1205-0, kai.klimek@vpf.de

Press contact
Jürgen Sterzenbach
SINNDESIGN Unternehmenskommunikation
Hartblick 5, 51429 Bergisch Gladbach (Germany)
Tel: +49 2204 205443, vpf@sinndesign.de