

Warszawa 11.06.2024

TDS FILE

FOL. OFFSET WHITE GLOSS PERMAN. 70X100	SAP CODE. FE80WGPN/700X1000
FOL. OFFSET CLEAR GLOSS PERMAN. 70X100	SAP CODE. FE80CGPN/700X1000
FOL. OFFSET WHITE GLOSS REMOV. 70X100	SAP CODE. FE80WGRN/700X1000
FOL. OFFSET CLEAR GLOSS REMOV. 70X100	SAP CODE. FE80CGRN/700X1000
FOL. OFFSET WHITE GLOSS PERMAN. 70X100 NRYZ	SAP CODE. FE80WGPN/700X1000U

DESCRIPTION:

FOL. OFFSET is a self-adhesive film, especially designed for Screen printing, for short term application on flat surfaces. The monomeric vinyl has an external color stability up to 2 years, specially developed for conventional (solvent-based) and UV curable screen-printing inks.

FOL. OFFSET series is available in permanent, ultra-removable and high tack water-based acrylic adhesive, to provide a good adhesion on a wide range of substrates.

The 135 g/m² clay coated kraft paper or 140 g/m² PE coated kraft paper ensures a good flatness and a good printing result. All products are REACH & RoHS compliant.

APPLICATION:

- Short term indoor & outdoor advertising.
- Labels and stickers.
- Temporary point of sale advertising.
- Good adhesion on low surface tension substrates such as PE and PP with HT adhesive.

CONSTRUCTION:

- Face film: 80 µm calendered monomeric film
- Adhesive: permanent clear / black water-based acrylic removable clear water-based acrylic ultra-removable clear water-based adhesive high-tack clear water-based adhesive
- Release liner: clay coated kraft paper 135 g/m² PE coated kraft liner 140g/m²

PRINTING METHOD: Screen printing with solvent-based and UV-curable inks. Offset UV printing is possible – contact your ink supplier.

TECHNICAL DATA:

Face thickness, with / without adhesive	80 / 100 µm	ISO 534-80
Tensile strength (machine direction)	> 20 N/cm	ISO 527
Elongation at break (machine direction)	>100%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass) 1.0 mm		FTM 14

Permanent adhesive - adhesion on glass (20 minutes) 10 N/25mm FTM 1
 - adhesion on glass (24 hours) 12 N/25mm
 - adhesion on glass (1 week) 14 N/25mm

Removable adhesive - adhesion on glass (20 minutes) 5 N/25mm FTM 1
 - adhesion on glass (24 hours) 6 N/25mm
 - adhesion on glass (1 week) 7 N/25mm

Ultra-Rem adhesive - adhesion on glass (20 minutes) 1 N/25mm FTM 1
 - adhesion on glass (24 hours) 2 N/25mm
 - adhesion on glass (1 week) 3 N/25mm

High-Tack adhesive - adhesion on glass (20 minutes) 10 N/25mm FTM 1
 - adhesion on glass (24 hours) 14 N/25mm
 - adhesion on glass (1 week) 16 N/25mm

Minimum application temperature +10 °C
 Service temperature From -40 °C to +90 °C
 One side siliconized clay coated paper 135 g/m² ISO 536
 liner PE coated kraft liner 140 g/m²

CONVERTING METHOD:

Screen printing with solvent-based and UV-curable inks. Offset UV printing

APPLICATION METHOD / INSTRUCTIONS FOR USE

Suitable for dry and wet application. Application temperature above 10°C.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 2 years.

This information is based on real file experience and artificial aging according to ISO 4892-2.

Note: Exposure to severe temperature and ultra-violet light will cause a quicker deterioration.

This applies also to polluted area, high altitude, horizontal applications, and south-facing exposure in north hemisphere.

SHELF LIFE

Shelf life is 2 years, when stored at 23 °C and 50 % relative humidity conditions.

Higher temperatures and/or humidity levels will reduce product shelf life.

NB: Printing results start to deteriorate after 12 months storage.