

820**Safety Vinyl****Description**

Special cast PVC film in white matt and gloss surface which displays a very low tear and tear propagation resistance.

Release paper

PE-coated release paper on both sides, 148 g/m², 168 micron

Adhesive

Solvent polyacrylate, permanent

Area of use

For strong adhering stickers with the character of document. This self-adhesive film can only be removed in small segments, thus protecting against fraud. Removal and re-use are impossible.

Printing method

Screen printing is recommended; also suitable for inkjet printing with solvent-based inks, UV or latex inks. Gloss surfaces are additionally suitable for digital thermotransfer printing.

Technical Data

Thickness* (without protective paper and adhesive)	55 micron
Dimensional stability (FINAT TM 14)	adhered to steel, no measurable shrinkage in cross direction, in length 0.2 mm max.
Temperature resistance**	adhered to acrylglas, -40°C to +90°C, no variation
Adhesive power* (FINAT TM 1, after 24h, stainless steel)	The adhesive capacity of the film is higher than the tensile strength, the material breaks immediately when peeled from
Tensile strength (DIN EN ISO 527)	along: min. 14 MPa across: min. 14 MPa
Elongation at break (DIN EN ISO 527)	along: min. 4% across: min. 4%
Shelf life***	2 years
Application temperature	> +10°C
Service life by specialist application under vertical outdoor exposure (normal climate of Central Europe)	5 years (not printed)

* average ** in original packaging, at 20°C and 50% relative humidity ***normal climate of Central Europe

Note:

Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure respectively. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Furthermore the application information published by ORAFOL is to be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.

