ORAJET® 3105HT

Description
High performance PVC film with excellent light-fastness and weather resistance in a white glossy finish.

Release Paper
PE-coated silicone paper, 148 g/m², 168 µm

Adhesive
Solvent polyacrylate, permanent, with high initial tack and final adhesion, grey

Area of use
For long-term graphic applications, markings and decorations in outdoor areas. Especially designed for applications on "hard-to-stick" substrates such as low energy plastics (polyethylene, polypropylene) and rough or textured surfaces.

Printing Method
Inkjet printing with solvent based inks, UV- or latex inks.

Technical Data

Thickness* (without paper and adhesive)	100 micron
Dimensional stability (FINAT TM 14)	Adhered to steel, no shrinkage in cross direction, in length 0,4 mm max.
Temperature resistance***	Adhered to aluminium, -50° C to +100° C, no variation
Sea water resistance (DIN 50021)	Adhered to aluminium, after 100h/23° C no variation
Resistance to solvents and chemicals	At room temperature, 72h after adhesion to aluminium, short-term resistance to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis
Fire behaviour	Adhered to steel, self-extinguishing
Adhesive power* (FINAT TM 1, after 24h, stainless steel)	28 N/25 mm
Tensile strength (DIN EN ISO 527)	Along: min. 19 MPa Across: min. 19 MPa
Elongation at break (DIN EN ISO 527)	Along: min. 130% Across: min. 150%
Shelf life**	1 year
Application temperature	> +4° 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
After printing, the ink must be allowed to thoroughly dry, in order to avoid any issues when later combined with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned and free 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. The compatibility of the selected lacquers and paints should be tested by the user, prior to the application of the material. Furthermore the application information published by ORAFOL must be considered.

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