

TECHNICAL DATA SHEET

Introduction

Vinylefx™ films are metallized PVC films designed to give the appearance of chrome and other metallic material, or alternatively to duplicate metallic finishes. Vinylefx™ films are hot-embossed which creates a deep 3D pattern. Vinylefx™ films are available in an indoor and an outdoor range.

Product Characteristics

PHYSICAL PROPERTIES

Features	Test Method	Results
Caliper of facefilm	ISO 534	65µm metallized rigid vinyl film
Caliper of facefilm & adhesive	ISO 534	90µm
Adhesive		permanent water based acrylic (indoor) permanent solvent based acrylic (outdoor)
Liner		145gsm, one side coated white kraft paper
Dimensional stability	DIN 30646	0,25 mm max
Adhesion, initial	FINAT FTM-1	stainless steel 450 N/m
Adhesion, ultimate	FINAT FTM-1	stainless steel 540 N/m
Flammability		self-extinguishing
Accelerated ageing	SAE J 1960 (2000h)	No negative impact (outdoor Vinylefx™)
Shelf life	Stored at 22°C/50-55% RH	1 year
Durability (Durable Series)	Vertical exposure	5 years

Temperature Range

Features	Results
Application temperature	Minimum: +16°C
Temperature range	-20°C to +75°C

Chemical resistance

Features	Test Method	Results
Humidity resistance	200h exposure	No effect
Corrosion resistance	120h exposure to corrosion	No contribution
Water resistance	45h immersion	No effect

Conversion: Vinylefx™ films offer excellent cutting and weeding performances thanks to layflatness and stability. Vinylefx™ films can be printed using vinyl screen print inks, UV curable inks, thermal transfer systems and (eco) solvent-based ink jet printers.

Recommendations for use: Vinylefx™ should be applied on clean, smooth, non-porous, flat or simply curved vertical surfaces. Do not apply Vinylefx™ films wet because of real metal on the back. Respect a 4 mm border for contour cutting. Seal the edges of exterior graphics to enhance the durability and to avoid oxidation.

Important Notice: All R Tape products are subject to continuous quality control throughout the manufacturing process and are warranted to be free from manufacturing defects. R Tape stands behind its products and will replace or credit any defective material. Because R Tape products are used for a variety of applications, the purchaser is responsible for determining the suitability and performance of this product for their specific purpose, prior the use and the purchaser shall assume all risks regarding such use.

Durability: Durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation; exposure conditions and maintenance of the marketing. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.