

# Product data : STARvinyl N - PERMANENT

## DESCRIPTION

### Face stock :

Gloss White soft calendered PVC film, ~ 100 µm, Cadmium free, REACH compliant.

### Adhesive :

Permanent high-performance, acrylic water based.

### Backing :

Coated Kraft paper, ca. 140 g/m<sup>2</sup> :

- Starliner® (with mechanically scored breaklines 31,5 mm apart).

### Laminate :

ca. 280 g/m<sup>2</sup>

### Durability : 2 years.

Middle European exposure conditions, vertical exposure. Exposure to severe humidity, ultra-violet light or conditions found in tropical, subtropical or desert regions will cause more rapid deterioration than under conditions existing in "normal" temperate climates.

## APPLICATIONS AND USES

Stickers for advertising and promotional campaigns, emblems and printed labels for in- and outdoor use.

Ideal when resistance to moisture, grease, oil, chemicals is requested.

## ADHESIVE

	Tack	Adhésion
<b>PERMANENT</b> : For general purposes.	••	••

••• : High

•• : Medium

• : Low

### (TYPICAL VALUE)

Quick Tack	16 ± 3 N/25 mm	FTM 9, on glass
Peel 20 min	12 ± 3 N/25 mm	FTM 1, on glass
Peel 24 h	20 ± 3 N/25 mm	FTM 1, on glass
Resistance to shear	> 30 h	FTM 8, on glass
Dimens. Stability (applied)	max. 1,0 %	FTM 14, alu
Dimens. stability on the backing paper (unapplied)	max. 1,0 %	Measured after 72 h at 60 °C
Temperature ranges	Min. application temperature : + 5 °C Service temperature :- 20 °C to + 70 °C	
Flammability	Self-extinguishing ISO 3795	
Solvent resistance	No effect. Applied to stainless steel, exposed to : oils, greases, aliphatic solvents, alcohols.	
Petrol resistance	If extended contact, edge-lifting will occur. Repeated (each 10 min.) petrol spraying.	
Chemical resistance	No effect. Mild acids. Mild alkalis.	
Shelf life	stored at 50 ± 10 % RH at 15 - 25 °C. 3 years for as long as the material is being stored in its original packaging.	

## PRINTING METHODS

Screen printing / UV Offset.

For best ink recommendations, please contact your ink supplier. During printing, it is important that drying is carefully exercised to ensure removal of printing inks solvents since certain solvents if retained can lead to plastification problems with subsequent application troubles and poor weathering properties.

We recommend to maintain an unprinted area of 3-4 mm on the edges of the printed decal to avoid edge lifting.

## GENERAL REMARK : factors affecting adhesion

Adhesion failure problems can be avoided by :

- Where possible, always test the proposed construction under actual application and end-use conditions because a 100 % multi-purpose adhesive for all substrates does not exist.  
Adverse reactions may occur when applying Removable adhesive onto certain substrates. Therefore, a suitability test is necessary.
- Being familiar with factors which adversely affect adhesion :
- Labels or stickers should not be applied onto dusty, dirty, oily or oxidized surfaces.
- Mould release agents on blow-moulded plastic surfaces inhibit adhesion.
- Adhesion failure may occur on substrates with low surface tension, such as polyethylene or polypropylene. Rubber based adhesives stick better to low energy surfaces than acrylics.
- Avoid the use of relatively rigid facestocks on highly curved or small diameter surfaces.

Do not use pressure sensitive materials outside the recommended service temperature range, or do not apply below the minimum application temperature.



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