

This technical data sheet refers to the following Lighthouse product(s):

CPMS94 & CM5094, Etched Glass Effect Vinyl

DESCRIPTION

Etched glass effect vinyl is a soft cadmium-free polymeric calendared PVC, provided with a pressure-sensitive permanent acrylic adhesive.

APPLICATION

Etched glass effect vinyl allows you to create the most stunning decorations on mirrors, glass doors, shop windows etc.

COMPOSITION

Film	80 micron thick polymeric calendared PVC film.
Adhesive	Permanent pressure sensitive solvent-based acrylic adhesive, with a high resistance against UV-radiation, chemical products and humidity.
Backing Paper	140gsm kraft liner

REMARKS

In order to achieve an optimal result, we advise you to clean the surface with isopropanol and/or to use a low-tack application tape.

PRODUCT SPECIFICATION

Technical properties at a relative humidity of $50 \pm 5\%$ at a temperature of $23 \pm 2^\circ\text{C}$.

Feature	Properties		
Thickness ¹	Thickness vinyl	Din53370	80 micron
	Thickness vinyl + glue + backing paper	Din53370	220 micron
Elongation at break ²	In production-length direction	Din53455	120%
	In cross direction	Din53455	140%
Dimensional Stability ³	-	Finat 14	<0.4%
Degree of Gloss	Minimum (measuring angle 85°)	Din67530	8%
	Maximum (measuring angle 85°)	Din67530	18%
Adhesion strength ⁴	After 20 minutes	Finat 1	15 N/25mm
	After 24 hours	Finat 1	18 N/25mm
Quickstick ⁵	-	Finat 9	9 N
Outdoor Life Span ⁶	-	-	5-7 years
Temperature	At application	-	+10°C to +40°C
	At use	-	-25°C to +80°C
Flammability	If applied on aluminium, glass, steel = self-extinguishing		

ADDITIONAL INFORMATION

In order to avoid any loss of quality, Etched glass effect vinyl should be stored in suitable conditions, preferably in original packing and stored vertically, that is at a temperature between 10 and 20°C, and a relative humidity of 50%. Under these conditions, Etched glass effect vinyl can be stored up to two years.

If you wish to remove the vinyl after a while, we advise you to use a heat gun. If any glue residues stay behind on the glass surface after taking off the film, you can simply remove them by moistening them with soap-water. Leave this to soak in for a couple of minutes, and then chip it off by means of a steel scraper (also used for removing paint strains). Alternatively you can use our degreaser/adhesive remover (CJ723).

¹ The thickness of the Etched glass effect vinyl may vary slightly. The indicated value is an average value, obtained from a series of measurements.

² The elongation at break of the Etched glass effect vinyl may vary slightly. The indicated value is a minimum value, obtained from a series of measurements.

³ The dimensional stability is the shrinkage of the unprinted material in %. This value is measured by applying the film on aluminium, and placing it in a hot-air oven at 70°C for 48 hours (= Finat 14 Method, adjusted according to our own internally developed procedure). The indicated value is a maximum value, obtained from a series of measurements.

⁴ The adhesion strength is measure on glass, and this after 20 minutes and after 24 hours. The film is removed again in an angle of 180° and at a speed of 300 mm/min. The indicated value is an average value, obtained from a series of measurements.

⁵ The “Quickstick” is the direct adhesion strength, measured on glass. The indicated value is an average value, obtained from a series of measurements.

⁶ The expected outdoor life span refers to outdoor use under Central European conditions and to vertical applications. The expected life span of our films is based upon professional application on a dry, degreased and suitable background. Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span. The life span can also differ, depending on the colour (due to the pigmentation).

IMPORTANT NOTICE

All Lighthouse products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.

Published information concerning Lighthouse products is based on research, which the Company believes to be reliable, although such information does not constitute a warranty.

Because of the variety of uses of Lighthouse products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.