

MACal[®] Glass Decor 600

Technical Data Sheet

PRODUCT DESCRIPTION

MACal Glass Decor 600 series are transparent PET films printed with decorative patterns and coated with a permanent acrylic pressure-sensitive adhesive. The adhesive is protected with a clear siliconized PET film.

CONSTRUCTION

Face material :

38µm transparent PET film printed with decorative patterns.

Adhesive :

High quality ultra clear permanent acrylic solvent based adhesive.

Liner :

Highly stable 38µm transparent PET film.

TYPICAL USES

Glass Decor 600 are design films suited for interior glass partition or internal window surface.

DURABILITY

5 years.

These use-life estimates are based upon accelerated ageing studies and outdoor exposure, under conditions experienced in vertical exposure and in "normal" temperate climates.

Note : Exposure to severe temperatures and ultraviolet light, as well as conditions in southern European countries, and also in tropical, sub-tropical or desert regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude, horizontal and south-facing exposure.

SHELF LIFE

2 years when stored at 15 to 25°C and ± 50 % relative humidity.

PHYSICAL PROPERTIES (Typical values)

Thickness (mm) (Film + adhesive) ISO 534
0.060

Face Material Data, 23°C DIN 53455-5

Tensile strength : > 100 N/15mm

Elongation at break : > 100 %

Adhesive Data, 23°C

FTM 1

Peel adhesion 180° on stainless steel (N/25 mm)

- 20 min. residence: 13

- 24 hours residence: 17

- 1 week residence: 19

Dimensional stability

FTM 14

Shrinkage (48 hours at 70°C) : < 0.2 %

(25 cm x 25 cm, sample mounted on aluminium).

Temperature ranges :

Application : + 10°C to + 40°C

End-use : - 40°C to + 90°C

N.B. : for lower temperatures, please consult us.

Solvent and chemical resistance

Resistant to most oils and greases, fuel, aliphatic solvents, weak acids, salts and alkalis.

PROCESSING

Application

The Glass Decor 600 film surface is sensitive to scratches. Therefore, we recommend the film to be applied with a felt squeegee or alternatively, to use an application tape. For a better product appearance, application by the wet method is recommended.

IMPORTANT NOTICE

All MACTac 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 MACTac products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.

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