

DECO301

PRODUCT DESCRIPTION:

DECO301 is a silver, polymeric decorative film with frosted effect. Very simple to apply thanks to Fast & Easy technology, which allows to remove air bubbles during dry application. Recommended for any flat and transparent surfaces such as windows, shop windows, glass doors, mirrors, etc. DECO301 meets the requirements of B-s1, d0 class according to PN-EN 13501-1 (classification of the reaction to fire performance).

PRODUCT STRUCTURE:

Film: 80 mic, polymeric, silver PVC film with frosted effect

Adhesive: permanent, transparent, water-based dispersion of polyacrylate

Liner: one-side siliconized, 140 gsm, structured, PCK type backing paper

RANGE OF APPLICATION:

DECO301 was designed for long-term premium decoration purposes. It can be easily applied on glass or other flat and transparent surfaces in order to reach frosted effect.

PHYSICAL FEATURES:

| | STANDARD NO. | VALUE |
|-------------------------|-----------------------|---|
| Thickness | | |
| Thickness of PVC | ISO 2286-3 | 80 mic (±5%) |
| Total thickness | ISO 2286-3 | 260 mic (±5%) |
| Tensile stress at break | ISO 527-3/2/200 | min. 20 MPa [MD] |
| Tensile strain at break | ISO 527-3/2/200 | min. 160 % [MD] |
| Gloss level | DIN 67530, 85° | 15 GU |
| Dimensional stability | DIN 53377 | max. -2.8 % |
| Transmittance Haze | ASTM D1003 | 73% |
| Clarity | ASTM D1003 | 95.6% |
| Adhesive Power | ASTM D1003 | 4.7 % |
| Initial | | |
| After 20 min | FINAT 9 | 8.8 N/25 mm |
| After 24 h | FINAT 1 | 13.3 N/25 mm |
| Temperature range | FINAT 1 | 19.8 N/25 mm |
| While applying | | |
| While exploiting | | from 12°C to 25°C |
| Durability | | from -20°C to 50°C |
| | 90° vertical exposure | indoor up to 7 years (unprocessed) |
| Shelf Life | 90° vertical exposure | outdoor up to 4 years (unprocessed) |
| | | 2 years (in original packaging, at 20 °C and 50% relative humidity) |

* Producer's internal test method

DURABILITY

The data concerns vertical surface exposure of an unprinted/unprocessed film. The outdoor durability relates to the temperate climate of Middle Europe. If the film is exposed to extreme weather conditions, such as austere insolation, high UV radiation or humidity it may undergo accelerated deterioration. PVC film may also weaken in greatly contaminated areas and regions of high altitude.

HANDLING & PROCESSING

Recommended storage conditions: 50% of relative humidity, 20 °C, in original packaging.

Customer should always store rolls together with label which consist information about type of product, dimensions of roll and batch number. Any claims or requests will not be accepted without information about batch number.

During storage time shrinking of the edges of monomeric PVC film could be noticed.

To obtain good print quality/good processing results we recommend acclimatize rolls in printing/processing room min. 24 hour before printing/processing. Large fluctuations in temperature and humidity between the room and the material have an impact on flatness and printability of material.

If printed, the ink must be perfectly dry before further processing e.g laminating or application. Features of products could be changed by the residuals solvents. The surface on which product is applied must be free of dust, grease, lubricant and any other substances which may hinder the film from adhesion.

Due to wide range of possible uses and applications customers should independently verify the appropriateness of material for their explicit purpose, prior to use. We strongly recommend customers conduct own tests before each application.

IMPORTANT NOTICE

The information included in the present publication is based upon our knowledge as well as practical experience and can be changed without prior notice. All information always represents an average, a minimum or maximum value and should be considered as such.

This data is displayed only in order to serve as a source of information and is given without guarantee and does not constitute a warranty. All presented information refers to unprinted/unprocessed products. Features of products could change after printing/processing due to this reason all printed/processed products are not covered by warranty.

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