



TECHNICAL DATA SHEET - CARBON FIBRE EFFECT DECORATIVE FILMS

S5CANB

Film composed of a 140- μ m calendered, polymeric PVC, which is coated with a pressure-sensitive acrylic adhesive. Decorative film with "carbon fibre" effect, for use on flat surfaces.

FILM FEATURES:

| | <u>Indicative value</u> | |
|---|-------------------------|-----------------|
| • Thickness (μ m): | 140 | |
| | <u>Average values</u> | <u>Standard</u> |
| • Tensile Strength (N/25 mm): | min. 35 | HEXNFX41021 |
| • Elongation at break (%): | min. 50 | HEXNFX41021 |
| • Shrinkage 168 hours at 70 °C (158 °F) (mm): | < 0.5 | HEXRET001 |

LINER:

- Silicone-coated Kraft paper 137 g/m², with grey HEXIS print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet)

| | <u>Average values</u> | <u>Standard</u> |
|--|-----------------------|-----------------|
| • Peel strength test 180° on glass (N/25 mm): | | HEXFTM001 |
| after 20 minutes of application | 23 | |
| after 24 hours of application | 27 | |
| • Initial tack (N/25 mm): | 21 | HEXFTM009 |
| • Release (N/25 mm): | 0.2 | HEXFTM003 |
| • Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels). | | |

ADHESIVE:

- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion; suitable for wet application.

USER'S INSTRUCTIONS:

- Film with "carbon fibre" surface finish, for the decoration of flat surfaces.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- In the case of already painted substrate, self-adhesive media must only be applied to undamaged original paintwork. If the paintwork is not original and/or damaged, the application and the removal are at the judgement and risk of the installer.
- The carbon effect film S5CANB is a fragile product, which is sensitive to scratching and marking. To be handled with care.
- Possibility of transferring the film S5CANB using the tape Hex750.

STORAGE:

- Shelf life (before application):

The shelf life of this film is 2 years when stored unopened in its original packaging at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

DURABILITY: (Vertical exposure and flat surfaces):

The durabilities in this document are confirmed by UV ageing and natural exposure tests; the durations given are the periods during which the surface finish is expected to be free from any gradual reduction or modification.

These results were obtained from a vertical outdoor exposure. The conditions of durability indicated are inherent to this position up to a few degrees. Other positions accentuate climatic influences and an alteration in gloss, colour or even a slight dusting may appear.

Southern exposure with a 45° inclination can divide the durability of the film by 2, compared to the values indicated in the tables below.

INDOOR EXPOSURE: 10 years**OUTDOOR EXPOSURE:**

| | Outdoor Northern & Central European climate | Outdoor Orbital Mediterranean climate | Outdoor Tropical Oceanic climate | Outdoor Desert climate |
|---------------|--|--|---|-------------------------------|
| S5CANB | 5 years | 4 years | 2 years | 1 year |

NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application.

The measuring methods for the standards quoted above served as basis for the development of our own measuring methods which are available on request. Please feel free to contact us to get the latest instructions in use.

All the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website www.hexis-graphics.com.