



## “ETCHED GLASS” DATA SHEET S 5DP SERIES

Cadmium-free polymeric calandered PVC film 80 micron, carrying a pressure sensitive acrylic adhesive.

### **SPECIFICATIONS:**

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	80	
• Tensile strength (N/25mm):	min. 35	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Dimensional stability (mm):	< 0.4	HEXRET001

### **LINER:**

- Silicone coated paper liner 137 g/m<sup>2</sup> with grey HEXIS print.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

• 180° peel on glass (N/25mm):		HEXFTM001
after 20 minutes	15	
after 24 hours	20	
• Initial tack (N/25mm):	8	HEXFTM009
• Release (N/25mm):	0.20	HEXFTM003
• Resistant to most oils, diluted acids, alcohol and hydrocarbons.		

**RECOMMENDATIONS:**

- Minimum application temperature: +10°C (+50°F)
- Temperature range: -40°C to +90°C (-40°F to +194°F)
- The rolls must be stored in the same environment as the cutting machine.
- If the pressure of the knife is too high, the silicone liner may get slit and absorb some of the adhesive and thus make weeding more difficult or even delaminate the liner in the weakened areas. In all cases it is preferable to weed immediately after cutting.
- In order to make transfer easier HEXIS offer a complete range of accessories including different types of squeegees (plastic or felt; hard, medium or soft).
- If applying on glass the target surface must be cleaned right up to the edges. With the transfer tape still in place the complete surface of the graphics should be pressed down in wiping sweeps.
- The minimum application temperature must be complied with both for ambient environment and the substrate. Hygrometrics have no influence except in the case of dry application.
- In a cold environment the application tape should be left longer before removal and several days are required before the vinyl reaches the final adhesion.
- As condensation may occur on cold glass it is recommended to warm the substrate.
- If any air bubbles appear in the case of dry application, a needle may be used to allow the air to evacuate; a blade would weaken the vinyl in that area.

**ADHESIVE:**

- Acrylic solvent based.
- Immediate and permanent adhesion; suitable for wet application.

**SHELF LIFE:**

- 2 years at +15°C... +25°C (+59°F... +77°F) and 30% to 70% relative humidity, rolls standing upright in a dustfree environment before usage and in the original packing.

**DURABILITY:**

The pigments in the vinyl influence the stability of the colours. The durability is confirmed by aging tests of ETCHED GLASS polymeric films under UV-rays and under natural exposure; the durations indicated below are those found when a reduction or a gradual modification of the appearance is noticeable.

Colour	Nordic & central European climate	Mediterranean climate	Tropical and marine climate	Desert climate
S5DEPM	8 years	7 years	5 years	4 years
Coloured "Etched Glass"	5 years	4 years	3 years	2 years

These results are obtained under vertical exposure outdoors and the conditions of the indicated durability depend on this position up to a few degrees. Other positions increase the climatic influences and alterations of gloss, colour and may even cause a slight powder effect to appear in outdoor conditions.

**Note:**

If in doubt about the compatibility of the product with any particular application we recommend that the user carry out a trial before the final application or seek advice from the manufacturer. The methods of measuring for the standards quoted above are the basis for the development of our own measuring methods, which are available on request (partial application). You are invited to enquire for the latest instructions in force. All data are believed to be correct but do not constitute a warranty, representation or promise, express or implied as to the condition, quality, merchantability, fitness for a product, or that such product will satisfy any requirement for a specific property or capacity or special methods, all such warranties being hereby expressly disclaimed. The buyer has to determine the suitability of the materials for the intended purpose prior to purchase. HEXIS S.A. or its affiliates assume no liability for claims beyond the replacement value of any product proven to be defective in material or workmanship and is in no way liable for direct, indirect, special, incidental damages or consequential loss including without limitation lost profits or loss of use, whether based on contract, tort or any other legal theory. Product specifications may change without prior notice. Our website is automatically updated: [www.hexisgroup.com](http://www.hexisgroup.com).