



TECHNICAL DATA SHEET – SIGN VINYL – ECOTAC (REINFORCED ADHESIVE) VCRE3000M Series

Range of products consisting of an 80- μ m, monomeric, calendered, cadmium-free PVC, which is coated with a pressure-sensitive, acrylic adhesive. Particularly recommended for indoor application to walls (e.g. Placoplatre® BA13, smooth or slightly textured walls) or for application to low energy surfaces (polyethylene, polypropylene, etc.). This product is M1 classified according to the French standard about reaction to fire (protocol no. I1-00202L). Matt surface finish.

FILM FEATURES:

	<u>Average values</u>	<u>Standard</u>
• Thickness (μ m):	80	
• Tensile strength (N/25 mm):	min. 40	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage (mm) after 168 hours at 70 °C (158 °F):	< 1.2	HEXRET001

LINER:

- Silicone-coated kraft paper of 137 g/m² with blue HEXIS imprint
- Stable under hygrometric variations

ADHESIVE FEATURES:

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
On glass		
• 180° peel strength test (N/25 mm): after 20 minutes of application	15	HEXFTM001
after 24 hours of application	18	
• Initial tack (N/25 mm):	17	HEXFTM009
On polypropylene		
• 180° peel strength test (N/25 mm): 20 minutes d'application	11	HEXFTM001
24 heures d'application	15	
• Initial tack (N/25 mm):	8	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003
• Solvent resistance: the adhesive is resistant to most chemical agents (alcohol, diluted acids, and oils).		

ADHESIVE:

- Solvent-based, acrylic adhesive
- Immediate and permanent adhesion
- Adhesive suitable for applications to smooth or slightly textured walls (e.g.: Placoplatre® BA13)
- Special low energy surface adhesive (polypropylene, polyethylene, etc.)

USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: from -40 °C to +90 °C
- The film can be transferred using a PE or PP film transfer tape (HEX904, HEX910, HEX930, etc.).
- The VCRE3000M film can be applied to a M1 classified plasterboard substrate.
- According to the substrate and/or paintwork, the application and removal are at the installer's own judgement and own risk.

STORAGE:

- Shelf life (before application):

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

COLOUR DURABILITY: (Vertical outdoor exposure on flat surfaces)

The colour pigments of the PVC influence the stability duration of colourings. These durabilities are obtained from ageing tests performed on the films of the VCRE3000M Series through UV rays and outdoor exposure; the durations indicated below are those from which a gradual change or impairment of the appearance is noticeable.

These results are obtained from vertical outdoor exposure. The stated durability conditions are inherent to this position up to some degrees. Any other position accentuates the climatic impacts and may further the appearance of gloss and colour alteration, and even a slight dusting phenomenon.

A south-facing exposure at a 45° angle can reduce by half the durability of the films of the VCRE3000M Series compared to the values written in the tables below.

Colour	Code	Durability (years)			
		Northern & Central European Climate	Mediterranean Climate	Tropical & Oceanic Climate	Desert Climate
Black	VCRE3889M	5	5	4	4
White	VCRE3829M	5	5	4	4
Light Yellow	VCRE3116M	2	2	1	1
Dark red	VCRE3186M	2	2	1	1
Bordeaux	VCRE3505M	2	2	1	1
Bosphore blue	VCRE3280M	4	3	3	2
Permanent green	VCRE3340M	3	3	2	2
Dark grey	VCRE3444M	5	5	4	4

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.