



# VCRE3000 Series

## PRODUCT DESCRIPTION:

Film composed of an 80- $\mu$ m, calendered, monomeric PVC, which is coated with a pressure-sensitive, acrylic adhesive. Particularly recommended for indoor application to walls (e.g. Placoplatre® BA13 plasterboard, smooth or slightly textured walls) or low-energy surfaces (polyethylene, polypropylene, etc.). Matt or glossy surface finish.

## FILM FEATURES:

• Thickness	(Indicative value) <b>80 <math>\mu</math>m</b>	
• Tensile strength	(Average values) <b>min. 40 N/25 mm</b>	Method <b>HEXNFX41021</b>
• Elongation at break	(Average values) <b>min. 100 %</b>	Method <b>HEXNFX41021</b>
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) <b>&lt; 1.2 mm</b>	Method <b>HEXRET001</b>

## LINER:

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

## ADHESIVE PROPERTIES:

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

• Peel strength test at 180°; Measurement support glass	(Average values)	Method
after 20 minutes of application	<b>15 N/25 mm</b>	<b>HEXFTM001</b>
after 24 hours of application	(Average values) <b>16 N/25 mm</b>	Method <b>HEXFTM001</b>
• Initial tack	(Average values) <b>17 N/25 mm</b>	Method <b>HEXFTM009</b>
• Peel strength test 180°; Measurement support polypropylene	(Average values)	Method
after 20 minutes of application	<b>11 N/25 mm</b>	<b>HEXFTM001</b>
after 24 hours of application	(Average values) <b>15 N/25 mm</b>	Method <b>HEXFTM001</b>
• Initial tack	(Average values) <b>8 N/25 mm</b>	Method <b>HEXFTM009</b>
• Release	(Average values) <b>0.2 N/25 mm</b>	Method <b>HEXFTM003</b>
• The adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

## ADHESIVE:

- Solvent-based acrylic adhesive.
- Special low-energy surface adhesive (polypropylene, polyethylene, etc.).
- Adhesive suitable for applications to smooth or slightly textured walls (such as Placoplatre® BA13 plasterboard).
- Immediate and permanent adhesion; suitable for wet application.

## USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
  - The film can be transferred using a PE or PP transfer film (HEX904, HEX910, HEX930, etc.).
  - The VCRE3000 film can be applied to an A1 or A2-s1, d0 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:



Storage period before use  
**2 years**



Storage temperature  
**+15 °C to +25 °C (+59 °F to +77 °F)**



Relative humidity during storage  
**with relative humidity between 30 % and 70 %**



Storage method before use  
**in its unopened original packaging**

## DURABILITY: (Central European climate)

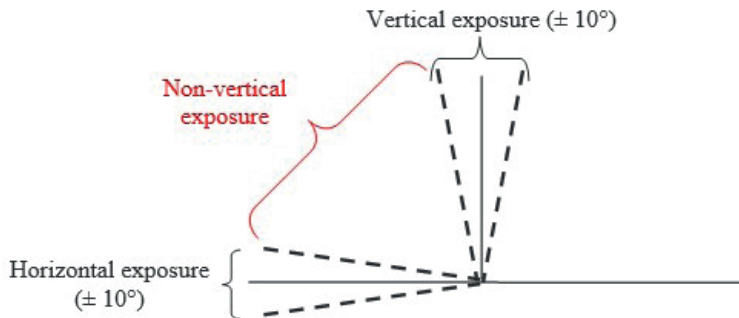
Dominant colour	Max. indicative durability (years) <sup>(1)</sup> Vertical indoor exposure ( $\pm 10^\circ$ ) on flat surfaces Central European climate
White, Black	6
Colours, other tints	5
Colour with red, yellow/orange tendency.	2

Chart 1: Vertical durabilities <sup>(1)</sup> Central Europe

- The pigmentation (colour) of the PVC affects the stability duration of the dyes. An estimate of such a durability is confirmed by accelerated UV ageing tests performed on the VCRE3000 films and by natural outdoor weathering.
- The durability indicated in the chart 1 below is obtained specifically in vertical outdoor exposure ( $\pm 10^\circ$ ). The conditions of durability indicated in Chart 1 are inherent to this position up to a few degrees. Other positions accentuate climatic influences and an alteration in gloss or colour, or even a slight dusting may appear. Application to the vehicle bonnet is particularly severe, due to the horizontal exposure and the heat from the engine.
- To estimate the durabilities for non-vertical exposure, divide the durabilities in Chart 1 by the factors given in Chart 2.

Exposure	Dividing factor <sup>(1)</sup> Central European climate
Non-vertical exposure	2
Horizontal exposure ( $\pm 10^\circ$ )	2,8

Chart 2: Dividing factor



- The real durability of a product depends on a large number of parameters, including, among others, the quality and preparation of the substrate, exposure (environment, climate, exposure angle), graphics maintenance, and degree of pollution.

To find the indicative durabilities of the films for any other exposure and geographical area, please refer to the «Conversion rules for indicative durabilities according to geographical area» chart available under Durability, on the «Professionals» pages on our site [www.hexis-graphics.com](http://www.hexis-graphics.com).

## CERTIFICATION:

Fire-smoke classification

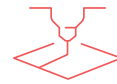


Fire-smoke classification standard

**EN 13501-1:2018**

Fire-smoke classification protocol no.

**EFR-21-003367**

**NOTES:**

(1) The indications of durability noted in this document do not constitute a binding guarantee. They are an estimate of the time during which the film retains a correct surface finish, from a conventional viewing distance.  
A slight and gradual change in colour and gloss is a natural and inevitable phenomenon inherent in the natural breakdown of the materials.

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 the 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 of the published information is based on measurements regularly performed in the laboratory. The published information 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](http://www.hexis-graphics.com).