



Technical Data Sheet

DGCAL 3000 100 PA2D

DESCRIPTION:

100 μ white monomeric high opacity PVC (cadmium-free, calendered), with acrylic-based **blue permanent adhesive** and release liner.

CHARACTERISTICS:

	TEST METHOD	UNIT	TYPICAL VALUES*	
			GLOSS	MATT
Thickness of face film	DIN 53370	Micron	100	100
Weight of face film	ASTM E252	g/m ²	135	130
Opacity (measured with a spectrophotometer)	ULTRA-SCAN X	%	98	98
Gloss of face film (@ 60°)	ASTM D2457	UB	80	8
Liner: double coated Kraft white paper		g/m ²	125	125
Initial adhesion, on stainless steel	FINAT FTM-1	N/25mm	10	10
Final adhesion, 24 hours, on stainless steel	FINAT FTM-1	N/25mm	12	12
Dimensional stability (on stainless steel 150 x 100 mm)	FINAT FTM-14	mm	< 1	< 1
Durability (non printed), in upright position**		Year	3	
Shelf life (15 °C to 25 °C and 40 % to 70 % R.H.)***		Year	1	
Range of temperature for use		°C	-20 to 70	
Range of temperature for application		°C	10 to 30	

*Typical values: average of values obtained from histograms of frequency lines.

** The durability can change depending on the geographical area where materials are exposed due to climatic variations.

*** Durability in the original packing and in a dust-free environment.

USAGE GUIDE AND RECOMMENDATIONS:

DGCAL 3000 100 PA2D is suitable for printing short term graphics for usage on flat surfaces. It is a multi-purpose vinyl recommended for (super) wide format printers using **solvent, eco-solvent, UV** and **Latex** inks. It is chosen specifically when high opacity is required. Blue adhesive offers greater colour stability and sharp contrasts across the chromatic range. Its advantages are outlined in the DGCAL document "*Influence of adhesive base colour on the performance of printed graphics*".

DGCAL 3000 100 PA2D is used for a wide range of promotional applications, including interior and exterior signs, window decoration or point of sale advertising. Its high opacity makes it suitable for application onto other printed images.

To improve appearance after printing and to protect applications from UV radiations and abrasion, **DGCAL 3000 100 PA2D** can be overlaminated with **DGCAL 4100**, available in either gloss or matt finish. Optimum drying time before proceeding with lamination is minimum 24 hours.

DGCAL 3000 100 PA2D is available in 50 linear meter rolls (3 inch core).

Warranty:

DGCAL products are made following the strictest quality standards in order to comply with its design parameters, in the unlikely event of manufacturing defects, Filmtex undertakes to replace the material at no cost without assuming any additional expenditure for any other reason.

Our materials are marketed under these conditions and as such, should be understood as a part of the sale. The data presented in this sheet relates to samples analyzed by the methods described above. These results should be taken as a guide and not as a feature for designing, specification, or guarantee. We reserve the right to proceed with any change without previous notice. This information does not relieve the customer to verify their characteristics of the material for one specific application before its end use.

January 2, 2014