



## Data sheet

### **CFC® Wrapping Series 400**

### **Kompetenz in Folie**

Adhesive film experts • Experts en films autocollants  
Experto en láminas • Pellicole ad alta competenzaza  
Οι ειδικοί στις μεμβράνες • Мы разбираемся в пленке  
الخبرة في مجال الرقائق الشفافة • 粘性薄膜专家

CFC® Wrapping film is a premium quality cast vinyl film for use in the vehicle market where high quality film finish and cost effective wrapping is required. The adhesive with CFC® Easy-Wrap technology features an easy application mechanism which allows faster positioning and air-bubble free film application, as well as long term removability after the intended period of use.

### **DISCRIPTION**

**Facefilm:** 80 micron premium quality cast vinyl  
**Adhesive:** permanent, transparent acrylic based on CFC® EasyWrap technology  
**Backing paper:** poly-coated kraft paper, 150 g/sqm

### **FEATURES**

- very high gloss super conformable film in combination with new adhesive technology
- unique and patented adhesive technology (see patent registration data below)
- excellent application characteristics: positionable adhesive with easy removal of entrapped air
- excellent Long Term Removability (LTR) of the film during the lifetime of the applied product
- complete standard colour range is REACH compliant (EC1907/2006)
- standard colour range
- film application without the use of any application tape
- outstanding durability and outdoor performance due to dirt repellent film characteristics

### **RECOMMENDATIONS FOR USE**

- total vehicle wrapping
- application on convex and compound curved surfaces without the need to make incisions
- application in extremely deep concave profiles might incidentally need an incision, due to the nature of the adhesive
- any other object wrapping, where a flexible and conformable product is required

### **CONVERSION**

CFC® Wrapping film is especially developed for wrapping or total covering of objects. Cutting for the purpose of preparing sizes or shapes for the ease-of-wrapping or to further improve efficiency has proven to be feasible. However, signcutting of letters and graphics is not recommended.

### **COLOUR MATCHING**

A fast colour matching service is offered for projects where specific colour needs cannot be matched from the standard colour range. For supply conditions please consult your CFC® representative.

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## PERFORMANCE DATA

physical properties	test method	result
caliper, facefilm	ISO 534	80 mikron
caliper, facefilm + adhesive	ISO 534	110 mikron
tensile strength	DIN 53455	1,1 kN/m
elongation at break	DIN 53455	180 %
gloss	ISO 2813, 20°	60 % min
dimensional stability	DIN 30646	0,2 mm max
adhesion, initial	FINAT FTM-1, stainless steel	400 N/m
adhesion, ultimate	FINAT FTM-1, stainless steel	500 N/m
flammability		self extionguishing
accelerated ageing	SAE J 2527, 2000 hours exposure	no negative impact on film performance
shelf life	stored at 22 °C/50-55% RH	2 years
durability	vertical exposure	
black / white		12 years
colours		10 years
metallic		6 years

Temperature range	results
application temperature	Minimum: +7 °C
service temperature	-50 bis +110 °C

Chemical properties	Prüfmethode	Ergebnis
humidity resistance	120 hours exposure	no effect
corrosion resistance	120 hours exposure	no contribution to corrosion
water resistance	48 hours immersion	no effect
chemical resistance	applied to aluminium	no effect exposed to: oil, greases, motor oils, mild acids and alkalis.

### 1) Durability

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.

CFC<sup>®</sup> films should not be applied to unsound surfaces or to surfaces which may subsequently crack, peel, outgas or are of low surface energy. It is recommended that any application surface should have an energy level in excess of 40 dyne/cm. (Polyolefins should be in excess of 45 dyne/cm). The above data shows typical properties and should not be taken as a guarantee for performance. Purchasers should determine the suitability of each product prior to its intended use. Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids etc. may eventually cause deterioration. Durability is based on middle European exposure conditions. Actual performance will depend on substrate preparation, exposure conditions and application of marking.

## IMPORTANT

Because of the variety of influences during application and processing of our products, we recommend doing your own tests to determine the suitability (opacity, adhesion, extreme climatic conditions etc.). The basis for this information sheet is our knowledge and practical experience. This data is given without guarantee and does not constitute a warranty.

## WARRANTY

CFC<sup>®</sup> films are produced under careful quality control and are warranted to be fit for the purpose and free from defect in material and workmanship. Any material shown to be defective to our satisfaction at the point of sale shall be replaced free of charge.

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