



**EC CONFORMITY DECLARATION**

EC DIRECTIVE 89/106/EC FROM 21/12/1988 : CONSTRUCTION PRODUCT DIRECTIVE (CPD)

**NAME AND ADDRESS OF MANUFACTURER**

RENOLIT BELGIUM NV  
INDUSTRIEPARK DE BRUWAAN 9  
9700 OUDENAARDE  
BELGIUM

**FACTORIES CONCERNED BY THE PRODUCTION OF THESE PRODUCTS**

01 : RENOLIT BELGIUM NV, INDUSTRIEPARK DE BRUWAAN 9, 9700 OUDENAARDE, BELGIUM  
02 : RENOLIT IBERICA SA, CARRATERA DEL MONTNEGRE, S/N 08470 SANT CELONI, SPAIN

**NAME AND ADDRESS OF CERTIFICATION BODY**

CSTB, 84 AVENUE JEAN JAURES, CHAMPS-SUR-MARNE, 77447 MARNE-LA-VALLEE CEDEX 2,  
FRANCE  
NUMBER OF NOTIFIED BODY : 0679

**PRODUCT DESCRIPTION**

TYPE : FLEXIBLE POLYVINYLCHLORIDE  
IDENTIFICATION : ALKORPLAN F  
USE : PLASTIC SHEETS FOR ROOF WATERPROOFING

**REFERENCE EUROPEAN STANDARD**

EN 13956 AND HIS ANNEX ZA

**PARTICULAR CONDITIONS APPLICABLE TO THE USE OF THE PRODUCT**

TECHNICAL DATA ALKORPLAN F 35176

**CERTIFICATE OF FACTORY PRODUCTION CONTROL**

FACTORY 01 : 0679 – CPD - 0172  
FACTORY 02 : 0679 – CPD – 0171

NAME : CHRISTIAN VERGEYLEN  
TITLE : GENERAL MANAGER  
DATE : 11/04/2011  
VERSION : 2

io D. Van der Sype

A handwritten signature in blue ink, appearing to be 'Christian Vergeylen'.

# TECHNICAL DATA ALKORPLAN F

PES REINFORCED PVC-P MEMBRANE FOR MECHANICALLY FASTENED ROOFING SYSTEM



PROPERTIES	REQUIREMENTS EN 13956	UNIT	TYPE	STANDARD
			35176	
<b>5.2.1 VISIBLE DEFECTS (FPC)</b>	PASS		OK	EN 1850-2
<b>5.2.2 DIMENSIONS, TOLERANCES AND MASS PER UNIT AREA (FPC)</b>				
LENGTH	MDV	m	15/10	EN 1848-2
WIDTH	MDV	m	1,05/1,60/2,10	EN 1848-2
STRAIGHTNESS	MLV	mm	<= 30	EN 1848-2
FLATNESS	MLV	mm	<= 10	EN 1848-2
MASS PER UNIT AREA	MDV	g/m <sup>2</sup>	2350	EN 1849-2
THICKNESS	MDV	mm	2,0	EN 1849-2
<b>5.2.3 WATERTIGHTNESS (M102)</b>	PASS	kPa	>= 10	EN 1928
<b>5.2.4 EFFECTS OF LIQUID CHEMICALS INCLUDING WATER (ANNEX C)</b>	MDV	PASS	OK	EN 1847
<b>5.2.5 FIRE PERFORMANCE (M102)</b>				
EXTERNAL FIRE		CLASS	BroofT 1,3	EN 13501-5
REACTION TO FIRE		CLASS	E	EN 13501-1
<b>5.2.6 HAIL RESISTANCE</b>	MLV	m/s	>= 17	EN 13583
<b>5.2.7 JOINT STRENGTH (M102)</b>				
PEEL RESISTANCE	MLV	N/50 mm	>= 150	EN 12316-2
SHEAR RESISTANCE	MLV	N/50 mm	>= 800	EN 12317-2



PROPERTIES	REQUIREMENTS EN 13956	UNIT	TYPE	STANDARD
			35176	
<b>5.2.8 WATER VAPOUR PROPERTIES</b>	MDV * +/- 50 %		20000*	EN 1931
<b>5.2.9 TENSILE PROPERTIES (FPC) (M102)</b>				
STRENGTH	MLV	N/50 mm	>= 1000	EN 12311-2
ELONGATION	MLV	%	>= 15	EN 12311-2
<b>5.2.10 RESISTANCE TO IMPACT (M102)</b>	MLV	mm	>= 300	EN 12691
<b>5.2.11 RESISTANCE TO STATIC LOADING (M102)</b>	MLV	kg	>= 20	EN 12730
<b>5.2.12 TEAR RESISTANCE (FPC) (M102)</b>	MLV	N	>= 180	EN 12310-2
<b>5.2.13 RESISTANCE TO ROOT PENETRATION (M102)</b>	PASS		NR	EN 13948
<b>5.2.14 DIMENSIONAL STABILITY (FPC)</b>	MLV	%	<= 0,3	EN 1107-2
<b>5.2.15 FOLDABILITY AT LOW TEMPERATURE (M102)</b>	MLV	°C	<= -25	EN 495-5
<b>5.2.16 BEHAVIOUR FOLLOWING EXPOSURE TO UV RADIATION, ELEVATED TEMPERATURE, WATER (M102)</b>	PASS		OK	EN 1297
<b>5.2.17 RESISTANCE TO OZONE</b>	PASS		NR	EN 1844
<b>5.2.18 EXPOSURE TO CONTACT WITH BITUMEN</b>	PASS		NR	EN 1548

NR: NOT RELEVANT



(English translation, the original version is in French)

*In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Members States relating to the construction products (Construction Products Directive – CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction products indicated in the following page, placed on the European economic area market by:*

### RENOLIT BELGIUM NV

Industriepark De Bruwaan 9  
9700 OUDENAARTE  
BELGIQUE

*and produced in the factory:*

RENOLIT IBERICA SA - Carratera Del Montnegre - 08470 SAN CELONI - ESPAGNE

*were submitted by the manufacturer to the initial type-testing for the relevant characteristics of the products, are submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the approved body – CSTB – has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control (system 2+).*

*This certificate attests that all provisions concerning the attestation of conformity of factory production control described in the technical specification in reference:*

NF EN 13956 : 2005

*are applied.*

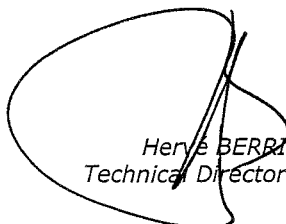
*This certificate can only be used in conjunction with the declarations of conformity of the products written by the manufacturer or his authorised representative established in the European economic area and with the technical specification in reference.*

*This certificate is first issued on 10 October 2006 and, except for withdrawal or suspension, remains valid as long as the conditions laid down in the corresponding technical specification in reference or the manufacturing conditions in the factory or the factory production control itself are not modified significantly and latest on 10 October 2011.*

*This certificate comprises 2 pages.*

*The list of the conformity certificates issued by CSTB is kept up-to-date by the CSTB.*

Issued in Champs sur Marne, on 10 October 2006

  
Hervé BERBIER,  
Technical Director of CSTB

Product Type :

Flexible sheets for waterproofing

Use category :

Plastic and rubber sheets for roof waterproofing

ALKORPLAN F 35076
ALKORPLAN F 35176
ALKORPLAN F 35276
ALKORPLAN F f 35176
ALKORPLAN F fr 35176

## Certificate of factory production control

**0679-CPD-0172**

(English translation, the original version is in French)

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*and produced in the factory:*

RENOLIT BELGIUM NV - Industriepark De Bruwaan 9 - 9700 OUDENAARTE - BELGIQUE

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