



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

NAME AND ADDRESS OF CERTIFICATION BODY

BCCA, RUE D'ARLON 53, 1040 BRUXELLES, BELGIUM
NUMBER OF NOTIFIED BODY : 0749

PRODUCT DESCRIPTION

TYPE : FLEXIBLE THERMOPLASTIC POLYOLEFINES
IDENTIFICATION : ALKORTOP L
USE : PLASTIC SHEETS FOR ROOF WATERPROOFING

REFERENCE EUROPEAN STANDARD

EN 13956:2005 AND HIS ANNEX ZA

PARTICULAR CONDITIONS APPLICABLE TO THE USE OF THE PRODUCT

TECHNICAL DATA ALKORTOP L

CERTIFICATE OF FACTORY PRODUCTION CONTROL

FACTORY 01 : BC2 – 320 – 0295 – 0100 - 01

NAME : CHRISTIAN VERGEYLEN

TITLE : GENERAL MANAGER

DATE : 27/03/2008

VERSION : 1

io D. Van der Sype

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

TECHNICAL DATA ALKORTOP L

GLASS REINFORCED TPO MEMBRANE FOR BALLASTED ROOFING SYSTEM



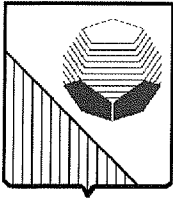
PROPERTIES	REQUIREMENTS	UNIT	TYPE	STANDARD
	EN 13956		35087	
5.2.1 VISIBLE DEFECTS (FPC)	PASS		OK	EN 1850-2
5.2.2 DIMENSIONS, TOLERANCES AND MASS PER UNIT AREA (FPC)				
LENGTH	MDV	m		EN 1848-2
WIDTH	MDV	m		EN 1848-2
STRAIGHTNESS	MLV	mm	<= 30	EN 1848-2
FLATNESS	MLV	mm	<= 10	EN 1848-2
MASS PER UNIT AREA	MDV	g/m ²		EN 1849-2
THICKNESS	MDV	mm		EN 1849-2
5.2.3 WATERTIGHTNESS (M102)	PASS	kPa	>= 10	EN 1928
5.2.4 EFFECTS OF LIQUID CHEMICALS INCLUDING WATER (ANNEX C)	MDV	PASS	OK	EN 1847
5.2.5 FIRE PERFORMANCE (M102)				
EXTERNAL FIRE		CLASS	DTS	EN 13501-5
REACTION TO FIRE		CLASS	E	EN 13501-1
5.2.6 HAIL RESISTANCE	MLV	m/s	>= 17	EN 13583
5.2.7 JOINT STRENGTH (M102)				
PEEL RESISTANCE	MLV	N/50 mm	>= 150	EN 12316-2
SHEAR RESISTANCE	MLV	N/50 mm	>= 650	EN 12317-2



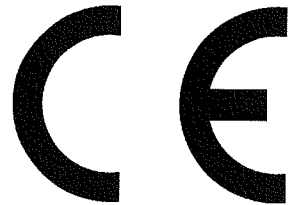
PROPERTIES	REQUIREMENTS EN 13956	UNIT	TYPE	STANDARD
			35087	
5.2.8 WATER VAPOUR PROPERTIES				
	MDV * +/- 50 %		200000*	EN 1931
5.2.9 TENSILE PROPERTIES (FPC) (M102)				
STRENGTH	MLV	N/50 mm	>= 800	EN 12311-2
ELONGATION	MLV	%	>= 2	EN 12311-2
5.2.10 RESISTANCE TO IMPACT (M102)				
	MLV	mm	>= 300	EN 12691
5.2.11 RESISTANCE TO STATIC LOADING (M102)				
	MLV	kg	>= 20	EN 12730
5.2.12 TEAR RESISTANCE (FPC) (M102)				
	MLV	N	>= 100	EN 12310-2
5.2.13 RESISTANCE TO ROOT PENETRATION (M102)				
	PASS		OK	EN 13948
5.2.14 DIMENSIONAL STABILITY (FPC)				
	MLV	%	<= 0,3	EN 1107-2
5.2.15 FOLDABILITY AT LOW TEMPERATURE (M102)				
	MLV	°C	<= -40	EN 495-5
5.2.16 BEHAVIOUR FOLLOWING EXPOSURE TO UV RADIATION, ELEVATED TEMPERATURE, WATER (M102)				
	PASS		OK	EN 1297
5.2.17 RESISTANCE TO OZONE				
	PASS		NR	EN 1844
5.2.18 EXPOSURE TO CONTACT WITH BITUMEN				
	PASS		NR	EN 1548

NR: NOT RELEVANT





BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION
BCCA
Rue d'Arlon 53
B - 1040 BRUXELLES



EC-CERTIFICATE OF FACTORY PRODUCTION CONTROL

0749 – CPD

BC2 – 320 – 0295 – 0100 – 01

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 Member 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 and Regulation (EC) No 1882/2003 of the European Parliament and of the Council of 29 September 2003, it has been stated that the construction products

**Flexible sheets for waterproofing – Plastic sheets for roof
waterproofing**

As registered by BCCA by means of a regularly validated catalogue available with the manufacturer

placed on the market by

**Renolit Belgium nv
Industriepark De Bruwaan 9
9700 Oudenaarde
Belgium**

and produced in the factory

Renolit Belgium nv, Oudenaarde (Belgium)

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan. The approved body BCCA has performed the initial inspection of the factory and the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions under responsibility of the approved body concerning attestation of factory production control described in annex ZA of the standard

NBN EN 13956 : 2005

were applied for the productgroups named above.

This certificate was first issued on 27.02.2008 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly and latest on 26.02.2013. The validity of this certificate shall be confirmed by BCCA once a year. On any substantiated request, BCCA will give information about the validity of the certificate.

Brussels, 27.02.2008



B. De Blaere
Director