

Declaration of Performance
Ampatop Seal: 3,0 x 400 m

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Item	Performance description
1	Unique identification code of the product type: Ampatop Seal
2	Type number for identification of the construction product according to Article 11 Par. 4: Ampatop Seal
3	Use of the construction product intended by the manufacturer according to the applicable, harmonised technical specification: Roofing membrane according to DIN EN 13859-1 – Flexible sheets for waterproofing - Definitions and characteristics of underlays – Part 1: Underlays for discontinuous roofing; German version EN 13859-1:2010
4	Product name and contact address according to Article 11 Par. 5: Ampatop Seal Ampack AG Seebleichestrasse 50 CH-9401 Rorschach
5	Name and address of authorised representative according to Article 12 Par. 2: Ampack AG Seebleichestrasse 50 CH 9401 Rorschach
6	System for the assessment and verification of constancy of performance in accordance with Appendix V, Point 1.4. of the BauPV (Construction Products' Regulations): System 3
7	Performance declaration for a construction product for which a harmonised European standard exists: MPA Erwitte (0432) has carried out the testing of the fire behaviour. KIWA TBU Greven (0799) has carried out the testing of the water tightness.
8	Performance Declaration for a construction product for which a European Technical Assessment has been drawn up: -

Ampatop Seal					
Harmonised European Standard:	EN 13859-1				
Major characteristics			Performance		
Property	Method	Units	Nominal value	Minimum value	Maximum value
Mass per unit area	DIN EN 1849-2	g/m ²	350	-10 %	+10 %
Width	DIN EN 1848-2	m	3,0	-0.5 %	+1.5 %
Length	DIN EN 1848-2	m	400	- 0%	
Straightness	DIN EN 1848-2	mm / 10 m	< 30		
Fire behaviour	DIN EN 13 501-1 EN ISO 11925-2	-	E	-	-
Resistance to water penetration	EN 1928	Class	W 1		
Resistance to water penetration after ageing	EN 13859-1, Appendix C, EN 1297, EN 1296	Class	W 1		
Water vapour permeability	EN 1931 or EN ISO 12572	m	≤ 0,18	-0,08	+0,08
Maximum longitudinal tensile strength	EN 12 311-1	N/5 cm	400	-45	+45
Maximum longitudinal tensile strength after ageing	EN 13859-1, Appendix C, EN 1297, EN 1296	N/5 cm	400	-45	+45
Maximum transverse tensile strength	EN 12 311-1	N/5 cm	300	-45	+45
Maximum transverse tensile strength after ageing	EN 13859-1, Appendix C, EN 1297, EN 1296	N/5 cm	400	-45	+45
Longitudinal elongation	EN 12 311-1	%	50	-20	+20
Longitudinal elongation after ageing	EN 13859-1, Appendix C, EN 1297, EN 1296	%	50	-20	+20
Transverse elongation	EN 12 311-1	%	70	-20	+20
Transverse elongation after ageing	EN 13859-1, Appendix C, EN 1297, EN 1296	%	70	-20	+20
Longitudinal resistance to tearing (nail)	EN 12 310-1	N	210	-35	+35
Transverse resistance to tearing (nail)	EN 12 310-1	N	280	-35	+35
Dimensional stability	EN 1107-2	%	-2		
Cold bending behaviour (flexibility)	EN 1109	°C	-20		
Resistance to air penetration	EN 13859-2, Section 4.3.4 EN 12114	m ³ /m ² x h x 50 Pa	not required		
Water pressure resistance	Manufacturer's data	cm	>400		
Temperature resistance	Manufacturer's data	° C	-40 bis +80		
Driving rain impermeability	Driving rain test TU Berlin	-	passed		
Outdoor weathering	Manufacturer's data	months	3		
Germany: Classification according to ZVDH (National Association of Roofers)	Product data sheet underlay / roofing membrane sheets	-	UDB-A / USB-A		
Germany: Suitability as temporary roofing	Manufacturer's data		Yes		
Switzerland: SIA 232/1			-		
Austria: ÖNORM B 3661 and B 4119			-		
France: E.S.T classification according to CSTB		-	E(1)-S(d2)-T(r2)		
Hazardous substances	To be specified	-	None		

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The performance of the product according to Number 1 and Number 2 corresponds to the declared performance according to Number 9.

The manufacturer alone is responsible for the creation of the Performance Declaration according to Number 4.

Signed for and in the name of the manufacturer by:

Rorschach, 21.06.2013

A handwritten signature in blue ink, appearing to read 'U. Höing', is written in a cursive style.

Ulrich Höing
Head of Technology and Development, Ampack AG, Rorschach