

**Declaration of Performance**  
**Ampatop Seal: 1,5 x 400 m**

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Item	Performance description
1	<b>Unique identification code of the product type:</b> Ampatop Seal
2	<b>Type number for identification of the construction product according to Article 11 Par. 4:</b> Ampatop Seal
3	<b>Use of the construction product intended by the manufacturer according to the applicable, harmonised technical specification:</b> 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	<b>Product name and contact address according to Article 11 Par. 5:</b> Ampatop Seal  Ampack AG Seebleichestrasse 50 CH-9401 Rorschach
5	<b>Name and address of authorised representative according to Article 12 Par. 2:</b> Ampack AG Seebleichestrasse 50 CH 9401 Rorschach
6	<b>System for the assessment and verification of constancy of performance in accordance with Appendix V, Point 1.4. of the BauPV (Construction Products' Regulations):</b> System 3
7	<b>Performance declaration for a construction product for which a harmonised European standard exists:</b> 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	<b>Performance Declaration for a construction product for which a European Technical Assessment has been drawn up:</b> -

<b>Ampatop Seal</b>					
Harmonised European Standard:	EN 13859-1				
<b>Major characteristics</b>			<b>Performance</b>		
<b>Property</b>	<b>Method</b>	<b>Units</b>	<b>Nominal value</b>	<b>Minimum value</b>	<b>Maximum value</b>
Mass per unit area	DIN EN 1849-2	g/m <sup>2</sup>	350	-10 %	+10 %
Width	DIN EN 1848-2	m	1,5	-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 <sup>3</sup> /m <sup>2</sup> 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