



17.07.19

**EC DECLARATION of PERFORMANCE (DOP): ELVA 170719 V1**  
RPC 305/2011 And of Annex ZA of EN 13956

1. Unique identification code of the product-type:  
ELVA 12 & ELVA 15
2. Type, Batch or serial number - See product label
3. Intended use:  
Water proofing membrane for Roofing: according to EN 13956
4. Name, registered trade name or registered trade mark and contact address of the Manufacturer:  
Haogenplast  
Kibbutz Haogen 4288000  
Israel
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Level 2+
7. In case of the declaration of performance concerning a construction product  
Covered by an harmonized standard EN 13956  
Certificate of factory production control: 0679-CPR-0207
9. Declared Performance:

ATIM ELVA 12,

Properties	Units	Result	Requirements	Test Method
Thickness	mm	1.2	1.2 $\pm$ 5% average $\pm$ 10% individual value	EN 1849-2
Weight	g/m <sup>2</sup>	1520	1500 +10%, -5%	EN 1849-2
Appearance		Pass	Free from blisters ,cracks ,voids	EN 1850-2
Width	cm		MDV +1%	EN 1848-2
Tensile strength	N/50mm MD TD	1300 1280	$\geq$ 1200 $\geq$ 1100	EN 12311-2
Elongation	% MD TD	16 20	$\geq$ 15 $\geq$ 15	EN 12311-2
Tear strength	N			EN 12310-2

	MD TD	240 280	$\geq 180$ $\geq 180$	
Resistance to Impact (PSE)	mm	1000 $\geq 2000$	A (Hard Support) $\geq 1000$ B (Soft support) $\geq 2000$	EN 12691
Resistance to static Loading	Kg	$\geq 30$	$\geq 28$	EN 12730
Water Vapor permeability	$\mu$	Conform	15,000	EN 1931
Resistance to water pressure	kPa	Conform	10	EN 1928
Nail Shank	N MD TD	400 500	$\geq 300$ $\geq 400$	EN 12310-1
Interlaminar adhesion	N/50mm	100	$\geq 80$	EN 12316-2
Shear strength of joints	N/50mm	Pass	Crack other than at the joint or $\geq$ Tensile strength	EN 12317-2
T-peel resistance of joints	N/50 mm	$\geq 200$	$\geq 200$	EN 12316-2
Straightness	mm	0	$\leq 30$	EN 1848-2
Flatness	Mm	0	$\leq 10$	EN 1848-2
Dimensional stability	%	$\leq 0.3$	$\leq 0.5$	EN 1107-2
Cold Bending	$^{\circ}\text{C}$	-35	$\leq -30$	EN 495-5
Fire reaction		Euro class E		EN 13501-1
Bitumen Compatibility		$\Delta$ in mass - 19% Mass loss 0.05% $\Delta$ of modulus 11.6%	pass	DIN V 200000-201 EN 1548 EN 12311-2

ATIM ELVA 15,

Properties	Units	Result	Requirements	Test Method
Thickness	mm	1.5	1.5 $\pm 5\%$ average $\pm 10\%$ individual value	EN 1849-2
Weight	g/m <sup>2</sup>	1950	1950 +10%, -5%	EN 1849-2
Appearance		Pass	Free from blisters ,cracks ,voids	EN 1850-2
Width	cm		MDV +1%	EN 1848-2
Tensile strength	N/50mm MD TD	1300 1200	$\geq 1200$ $\geq 1100$	EN 12311-2
Elongation	% MD	18	$\geq 15$	EN 12311-2

	TD	20	$\geq 15$	
Tear strength	N MD TD	240 280	$\geq 180$ $\geq 180$	EN 12310-2
Resistance to Impact (PSE)	mm	1000 $\geq 2000$	A (Hard Support) $\geq 1000$ B (Soft support) $\geq 2000$	EN 12691
Resistance to static Loading	Kg	$\geq 30$	$\geq 28$	EN 12730
Water Vapor permeability	$\mu$	Conform	15,000	EN 1931
Resistance to water pressure	kPa	Conform	10	EN 1928
Nail Shank	N MD TD	400 500	$\geq 300$ $\geq 400$	EN 12310-1
Interlaminar adhesion	N/50mm	100	$\geq 80$	EN 12316-2
Shear strength of joints	N/50mm	Pass	Crack other than at the joint or $\geq$ Tensile strength	EN 12317-2
T-peel resistance of joints	N/50 mm	$\geq 200$	$\geq 200$	EN 12316-2
Straightness	mm	0	$\leq 30$	EN 1848-2
Flatness	Mm	0	$\leq 10$	EN 1848-2
Dimensional stability	%	$\leq 0.3$	$\leq 0.5$	EN 1107-2
Cold Bending	$^{\circ}\text{C}$	-35	$\leq -30$	EN 495-5
Fire reaction		Euro class E		EN 13501-1
Bitumen Compatibility		$\Delta$ in mass - 19% Mass loss 0.05% $\Delta$ of modulus 11.6%	pass	DIN V 200000-201 EN 1548 EN 12311-2

The performance of the product identified in point 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4


Signed for and on behalf of the manufacturer by:

Name: Nurit Naveh

Title: R&D Manager V.P.

Kibbutz Haogen Israel

Date: 17.07.19



**NURIT NAVEH**  
**R&D MANAGER VP**  
**HADGENPLAST LTD**