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EN 14509:2013

## **DECLARATION OF PERFORMANCE**

No. 22

1. Product's unique identification code - type: **HPP PSD**

2. Type, batch, series number or any other element which allows identifying the construction product as it is required under article 11 paragraph(4):

**Self supporting isolating sandwich panels, with two metal boards(galvanised sheets) and polyisocyanurate foam core, thickness 100 mm.**

3. Intended uses for the construction product, in accordance with the applicable harmonized technical specifications as it is provided by the manufacturer:

**Provided use: EXTERIOR WALLS**

4. Social name or trademark and manufacturer's contact address as it is required under the article 11 paragraph(5):

**SC Impro SRL**  
**Chisoda, DN 59, km 8+550 m stanga, jud. Timis**  
**Tel: 0356 461 461, fax: 0356 461 460**

5. As applicable, name and authorised representative's contact address whose mandate covers the responsibilities specified at article 12 paragraph(2):

**SC Impro SRL**  
**Chisoda, DN 59, km 8+550 m stanga, jud. Timis**  
**Tel: 0356 461 461, fax: 0356 461 460**

6. System/verification and evaluation systems regarding the constant construction product performance as it is required in annex V:

**System 3**

7. Harmonized standard:

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8. Product's performances:

Coefficient	Measure unit	Values				
Thermal transmittance	W/m <sup>2</sup> k	Sheet thickness	04/04	05/04	05/05	06/05
			0,210	0,210	0,210	0,210
Thermal conductivity	W/mk	Sheet thickness	04/04	05/04	05/05	06/05
			0,021	0,021	0,021	0,021
Mechanical resistance						
Tensile strength	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			0,090	0,090	0,059	0,059
Shear strength	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			0,090	0,090	0,140	0,140
Shear modulus core	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			1,410	1,410	1,695	1,695
Compressive strength core	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			0,090	0,090	0,127	0,127
Bending resistance in span						
Bending +	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			1,750	1,750	4,730	4,730
Bending + elevated temperature	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			1,280	1,280	1,940	1,940
Bending -	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			1,380	1,380	4,250	4,250
Bending - elevated temperature	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			1,010	1,010	1,740	1,740
Bending resistance at an internal support						
Bending +	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			1,430	1,430	4,630	4,630
Bending + elevated emperature	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			1,050	1,050	1,900	1,900
Bending -	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			1,130	1,130	3,930	3,930
Bending - elevated temperature	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			0,830	0,830	1,610	1,610
Wrinkling stress (ext. face)						
In span	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			46	46	95	95
In span elevated temperature	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			34	34	38,950	38,950
At a central support	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			30	30	79	79
At a central support elevated temperature	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			22	22	32,39	32,39

Coefficient	Measure unit	Values				
Wrinkling stress (int. face)						
In span	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			36	36	85	85
At a central support	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			38	38	93	93
Fire reaction		Sheet thickness	04/04	05/04	05/05	06/05
			B-s2,d0			
Fire resistance		Sheet thickness	04/04	05/04	05/05	06/05
			EI20			
Water Permeability		Sheet thickness	04/04	05/04	05/05	06/05
			IMPERVIOUS			
Air permeability		Sheet thickness	04/04	05/04	05/05	06/05
			IMPERVIOUS			
Water vapor permeability		Sheet thickness	04/04	05/04	05/05	06/05
			IMPERVIOUS			
Sound insulation		Sheet thickness	04/04	05/04	05/05	06/05
			NPD			
Sound absorption		Sheet thickness	04/04	05/04	05/05	06/05
			NPD			
Durability		Sheet thickness	04/04	05/04	05/05	06/05
			Satisfy DUR 1			

9. Product's performance identified at points 1 and 2 is in accordance with the performance declared at point 8. This declaration of performance is issued on the exclusive liability of the manufacturer identified at point 4.

**Warranty – 2 years** – available only if the montage, storage and handling instructions provided by the manufacturer are respected.

Signed for and in the name of the manufacturer by:

**Filip Zadka**  
**Technical director**  
**Impro SRL, Timisoara**