CE

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EN 14509:2013

DECLARATION OF PERFORMANCE

No. 19

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 50 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 responsabilities 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/m²k	Sheet thickness	04/04	05/04	05/05	06/05
			0,410	0,410	0,410	0,410
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
			0,870	0,870	1,910	1,910
Bending + elevated temperature	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			0,640	0,640	0,780	0,780
Bending -	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			0,690	0,690	1,800	1,800
Bending - elevated temperature	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			0,500	0,500	0,740	0,740
Bending resistance at an internal support						
Bending +	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			0,710	0,710	2,660	2,660
Bending + elevated emperature	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			0,520	0,520	1,090	1,090
Bending -	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			0,560	0,560	1,950	1,950
Bending - elevated temperature	kNm/m	Sheet thickness	04/04	05/04	05/05	06/05
			0,410	0,410	0,800	0,800
Wrinkling stress (ext. face)						
In span	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			46	46	77	77
In span elevated temperature	Mpa	Sheet thickness	04/04	05/04	05/05	06/05
			34	34	31,57	31,57
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 | 73 | 73
At a central support	Mpa	Sheet thickness: 04/04 | 05/04 | 05/05 | 06/05 38 | 38 | 107 | 107
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 EI15
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 absorbtion		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