

## Declaration of Performance

Reference number: H-CPR-001-01-07-2014

Sandwichpanel made of PIR insulation and metal facings, type 32/1000D

32/1000D-SW

Self-supporting internal and external wall cladding and ceiling finishes and roof coverings according to EN 14509:2013

H. Hardeman BV Handels- en Constructiebedrijf  
PO Box 376  
3900 AJ Veenendaal  
The Netherlands  
or his authorized representative in the EU

The notified body NB 1640 has done the initial type testing of the product according to system 3 and issued a report to the initial type testing of the product.

Factory production control system of assessment and verification of constancy or performance system 4

### Declared performance

Essential Requirement:	Performance:					Harmonised technical specification:
Thickness (mm)	40/72	60/92	80/112	100/132	132/164	EN 14509, EN 13165 EN 14509 EN 13501-1
Thermal transmittance (W/m <sup>2</sup> K)	0,47	0,32	0,25	0,20	0,15	
Mass (kg/m <sup>2</sup> )	11,00	11,80	12,60	13,40	14,26	
Reaction to fire (Euroclass)	B,s2,d0					EN 1364-1
Fire resistance E	-	-	-	-	-	
Fire resistance EI	-	-	-	-	-	
Fire resistance EW	-	-	-	-	-	EN 1364-1
Water permeability	Class A					EN 14509
Air permeability	NDP					EN 14509
Water vapour permeability	Impermeable					EN 14509
Airborne sound insulation	NDP					EN 14509
Durability	Z275/AZ150/ZMA120					EN 10346
Creep Coefficient t=2.000h	1,00					EN 14509
Creep Coefficient t=10.000h	NDP					EN 14509
Density (kg/m <sup>3</sup> )	34-44					EN 14509
Tensile strength (MPa)	>0,075					EN 14509
Compressive strength (MPa)	>0,143					EN 14509
Shear modulus (Mpa)	>1,72					EN 14509
Internal steel gauge (mm)	>0,38					EN 10346
External steel gauge (mm)	>0,53					EN 10346
Internal coatings (mm)	Polyester, PVC, PU, Aluzink					EN 10169
External coatings	Polyester, PVC, PU, Aluzink					EN 10169
Steel Grade (internal/external)	S280GD/S320GD					EN 10346
Bending capacity positive (kN)	11,02	12,87	14,71	17,96	21,20	EN 14509
Bending capacity negative (kN)	8,01	8,55	9,08	9,40	9,72	EN 14509
B.C. positive central support (KN)	7,78	8,23	8,67	9,12	9,56	EN 14509
B.C. negative central support (KN)	5,16	6,17	7,17	8,18	9,18	EN 14509

The performance of the product as described above is in conformity with the declared performances  
This declaration of performance is issued under the sole responsibility of the manufacturer stated in point 2

Signed on behalf of the manufacturer and in the name of the manufacturer by:

General Manager, A. Hardeman

Veenendaal, 01-07-2014

Signature: 



1640

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EN 14509: 2013

Self-supporting internal and external wall cladding and ceiling finishes and roof coverings

Sandwichpanel made of PIR insulation and metal facings, type 32/1000D-SW

Thickness: 40/72mm to 132/164mm

Reaction to fire: B,s2,d0

External fire performance in roof application: Class B<sub>roof</sub> (t1), B<sub>roof</sub> (t2) and B<sub>roof</sub> (t3)



Related DoP:

<http://systeembouw.hardeman.nl/downloadcentrum/productcertificaten>

Type and reference number:

1150-WV and H-CPR-001-01-07-2014