

Declaration of Performance

No. 020/DoP

In accordance with Regulation (EU) No 305/2011 of the European Parliament and of the Council laying down harmonised conditions for the marketing of construction products (CPR EU 305/2011)

1. Unique identification code of the product-type:

Fibre-cement profiled sheets and fittings

Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Cembrit W177-5,5, Cembrit W177-6,5
Profile 177/51, Thickness 6 mm and 6,5 mm
(B9, B55, B65, A5, A5.5, A6.5)

2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Roofing
Internal wall finishes
External wall and ceiling finishes

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Cembrit Holding A/S
Gasværksvej 24
DK-9000 Aalborg, Denmark
Email: info@cembrit.com

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

- 6a. Name and identification number of the notified body (in case of the declaration of performance concerning a construction product covered by a harmonised standard):

Technical and Testing Institute of Construction Prague, s. p.
Notified body No. 1020
Branch 0700– Ostrava, U Studia 14,
700 30, Ostrava-Zábřeh, Czech Republic

Performed the initial type test under system 3 according to EN 494. Protocol on the initial type test No.1020-CPD-070030732 as of 8th February 2007, issued for sheets 6,5 mm with classification C1X, and protocol on the initial type test No.1020-CPD-070030734 as of 8th February 2007, issued for sheets 6 mm with classification C2X.

PAVUS, a.s.
Notified body No. 1391
Prosecká 412/74, 190 00 PRAHA 9
– Prosek, Czech Republic

Performed reaction to fire testing and classification according EN 13501-1. Test report No. PKI-01-07-010-E-1 (colored variants), dated December 8th, 2016 and No. PKI-01-07-011-E-1 (non-colored variants) dated December 8th, 2016. Test reports valid for sheets 6,5 mm, class C1X and sheets 6 mm, class C2X.

- 6b. Name and identification number of the Technical Assessment Body (in case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued):

Not applicable

7. Declared performance:

Cembrit W177-5,5, W177-6,5, NT - Profile 177/51, Thickness 6,5 mm, C1X		
Essential characteristics	Performance	Harmonised technical specification
Type of sheets	NT	EN 494:2012+A1:2015 Fibre-cement profiled sheets and fittings Product specification and test methods
Mechanical resistance	C1X	
Breaking load	Min. 4,25 kN/m	
Bending moment	Min. 55 Nm/m	
Apparent density	min 1 400 kg/m ³	
Impact resistance	No performance determined	
External fire performance	B _{ROOF} (deemed to satisfy)	
Reaction to fire	Class A1	
Water impermeability	Pass	
Dimensional variations		
Length	± 10 mm	
Width	+ 10 / - 5 mm	
Thickness	6,5 ± 0,6 mm	
Height of the corrugations	51 ± 3 mm	
Pitch	177 ± 2 mm	
Squareness	max 6 mm/m	
Release of dangerous substance	No performance determined	
Durability against warm water	R _L ≥ 0,7	
Durability against soak/dry	R _L ≥ 0,7	
Durability against freeze-thaw	R _L ≥ 0,7	
Durability against heat-rain	Pass	

Cembrit W177-5,5 and W177-6,5, NT - Profile 177/51, Thickness 6,0 mm, Class C2X		
Essential characteristics	Performance	Harmonised technical specification
Type of sheets	NT	EN 494:2012+A1:2015 Fibre-cement profiled sheets and fittings – Product specification and test methods
Mechanical resistance	C2X	
Breaking load	min 3,50 kN/m	
Bending moment	min 55 Nm/m	
Apparent density	min 1 350 kg/m ³	
Impact resistance	No performance determined	
External fire performance	B _{ROOF} (deemed to satisfy)	
Reaction to fire	Class A1	
Water impermeability	Pass	
Dimensional variations		
Length	± 10 mm	
Width	+ 10 / - 5 mm	
Thickness	6,0 ± 0,6 mm	
Height of the corrugations	51 ± 3 mm	
Pitch	177 ± 2 mm	
Squareness	max 6 mm/m	
Release of dangerous substance	No performance determined	
Durability against warm water	R _L ≥ 0,7	
Durability against soak/dry	R _L ≥ 0,7	
Durability against freeze-thaw	R _L ≥ 0,7	
Durability against heat-rain	Pass	


8. Appropriate Technical Documentation and/or Specific Technical Documentation:

EN 494:2012+A1:2015
Fibre-cement profiled sheets and fittings
Product specification and test methods

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Esben Moos, Group Technical Manager
Aalborg, August 12th, 2019


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