



Declaration of Performance

according Annex III of the Regulation (EU) No 305/2011

CALSITHERM

Revision 1.1.0

Date of issue: 21.08.2014

Silcapan 845

2014-CS-CC-13-2.7

1. Unique identification code of the product-type:

**Calcium Silicate Silcapan 845
Technical ceramics for mechanical engineering and fire protection**

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

Batch number is stamped on the side

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification EN 14306:2009+A1:2013, as foreseen by the manufacturer:

**Thermal insulation products for building equipment
and industrial installations**

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

Silcapan 845

**Calsitherm Silikatbaustoffe GmbH
An der Eiche 15
D-33175 Bad Lippspringe
Tel.: +49 5254 990 92 0
Fax: +49 5254 990 92 17
E-Mail: info@calsitherm.de**

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

not applicable

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

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

The notified body **Materialprüfungsamt Nordrhein-Westfalen (Notified Body No. 0432)** performed the initial type testing of the product and issued the **test report No. 4200022418 13-2.7** on 14.04.2014. The notified body **Materialprüfungsamt Nordrhein-Westfalen, Außenstelle Erwitte**, evaluated the class of the construction material and issued the **report of classification 230009151-10** on 15.04.2014. The manufacturer performs ongoing monitoring, evaluation and affirmation of factory production control.

8. In case of a construction product for which a European Technical Assessment has been issued:

not relevant

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	EN 14306:2009+A1:2013
Water vapour diffusions resistance	12	
Compressive strength	CS(10) 10000 (≥ 10000 kPa)	
Rate of water soluble -chlorides -fluorides	9.27 mg/kg Lower than detection limit	
pH-value	10.0	
Release of dangerous substances	No test method available	
Continuous glowing combustion	No test method available	
Thermal conductivity	200°C 0.27 W/mK 400°C 0.29 W/mK 500°C 0.30 W/mK 800°C 0.35 W/mK	
Dimensions	Is given on the packaging, tolerance class +/- 3 mm	
Maximum service temperature	ST(+) 1000 ($\geq 1000^\circ\text{C}$)	
Minimum service temperature	No performance determined	
Dimensional stability	-0.13 %	
Short term water absorption by partial immersion	36.3 kg/m ²	

10. The performances of the products identified in points 1 and 2 are in conformity with the declared performances 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:

Dr. Tobias Hölscher
(Managing Director)

Paderborn-Sennelager, 21.08.2014

