

Declaration of Performance

According to Annex III of Regulation (EU) No. 305/2011

DOP-C-01-002 V02



Unique identification code of the product type:

Cellulose insulation material according to ETA-04/0080
 DÄMMSTATTs CI 040 DÄMMSTATTs CI 040 bf
 KLIMA-TEC-FLOCK KLIMA-TEC-FLOCK bf
 biocell biocell bf
 isofloc F isofloc bf
 DÄMMSTATTs CI Dämmschüttung DÄMMSTATTs CI Dämmschüttung bf

Intended use/es:

Insulation of walls, ceilings / floors and roofs with application at the place of use. The processing is carried out in dry conditions or under the addition of water.

Manufacturer:

isofloc Dämmstatt GmbH
 Markgrafendamm 16, D-10245 Berlin
 www.isofloc.de

System/s of AVCP

AVPC System 1 (reaction to fire) + AVPC System 3 (other characteristics)

European Assessment Document:

EAD 040138-00-1201 : 2015-11

European Technical Assessment:

ETA-04/0080 : 05.06.2018

Technical Assessment Body:

Deutsches Institut für Bautechnik (DIBt), D-10829 Berlin

Notified body:

Materialprüfungsamt Nordrhein-Westfalen (MPA NRW) - Nr. 0432

Erklärte Leistungen:

Table 1

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	Refer to Tab. 2	ETA-04/0080: 05.06.2018 EAD 040138-00-1201: 2015-11
Resistance to the growth of mould (EAD, Annex B)	0	
Declared value of thermal conductivity λ_D	Refer to Tab. 3	
Conversion of humidity acc. to EN ISO 10456 mass-related moisture content at 23°C /50% rel. humidity mass-related moisture content at 23°C /80% rel. humidity mass-related moisture conversion coef. dry to 23°C,50% r.h. mass-related moisture conversion coef. 23°C,50% r.h. to 23°C,80% r.h. moisture conversion factor dry to 23°C,50% r.h. moisture conversion factor 23°C,50% r.h. to 23°C,80% r.h.	$U_{23,50} = 0,07 \text{ kg/kg}$ $U_{23,80} = 0,12 \text{ kg/kg}$ $f_{u1} = 0,37$ $f_{u2} = 0,15$ $F_{m1} = 1,026$ $F_{m2} = 1,008$	
Water vapour diffusion resistance coefficient μ	1 – 2	
Water absorption	NPD	
Corrosion developing capacity, test acc. to EN 15101-1, Annex E	CR – test assed	
Settlement under impact excitation in case of free placing (e.g. ceiling or between beams) under vibration in wall cavity and between beams unter definierten Klimabedingungen	$\leq 8 \%$ ($\geq 25 \text{ kg/m}^3$) $SC0$ ($\geq 45 \text{ kg/m}^3$) NPD	
Critical moisture content	NPD	
Airflow resistance (EN 29053:1993, Method A)	$\geq 6,0 \text{ kPa}\cdot\text{s/m}^2$ (at 35 kg/m^3)	
Hygroscopic sorptions properties	NPD	

Table 2 – Reaction to fire

Typ	Dämmstatts CI 040 KLIMA-TEC-FLOCK biocell isofloc F DÄMMSTATTs CI Dämmschüttung	Dämmstatts CI 040 bf KLIMA-TEC-FLOCK bf biocell bf isofloc F bf DÄMMSTATTs CI Dämmschüttung bf
Reaction to fire acc. EN 13501-1	From 25 to 65 kg/m ³ , • Insulation thickness $\geq 100 \text{ mm}$ on or between Board $\geq 6 \text{ mm}$, $\geq (1800\pm 200)\text{kg/m}^3$, class A1 or A2-s2, d0 or Board $\geq 11 \text{ mm}$, $\geq (870\pm 50)\text{kg/m}^3$, class A1 oder A2-s2, d0 or Board $\geq (12\pm 2)\text{mm}$, $\geq (680\pm 50)\text{kg/m}^3$, class D-s2, d0 • Insulation thickness $\geq 40 \text{ mm}$	From 25 to 65 kg/m ³ • Application on or between boards $\geq 650 \text{ kg/m}^3$, class A1 or A2-s1, d0, insulation thickness $\geq 40 \text{ mm}$ or • Application on or between wood-based boards $\geq (12\pm 2) \text{ mm}$, $\geq 510 \text{ kg/m}^3$ • Insulation thickness $\geq 180 \text{ mm}$ • Insulation thickness $\geq 100 \text{ mm}$, $< 180 \text{ mm}$ • Insulation thickness $\geq 40 \text{ mm}$

Tabelle 3 – Performance according to the processing

Typ	Dämmstatts CI 040 KLIMA-TEC-FLOCK biocell isofloc F	Dämmstatts CI 040 bf KLIMA-TEC-FLOCK bf biocell bf isofloc bf	Dämmstatts CI Dämmschütung Dämmstatts CI Dämmschütung bf
Processing	Machine processing		Manual processing
Declared value of thermal conductivity $\lambda_{D(23,50)}$	0,037 W/(m·K)		0,043 W/(m·K)

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for an on behalf of the manufacturer by:

Raiko Stieler
Manager

D-10245 Berlin, Deutschland
31.07.2018



(name, function)

(place and date of issue)

(signature)

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DoP download: www.isofloc.com/downloads