

### TECHNICAL DATA:

#### DAEMMSTATT D, KLIMA-TEC-FLOCK, biocell

Technical approval		European Technical Approval ETA-04/0080 according to EAD 040138-01-1201
Composition		Newspaper fibres $\geq 90$ %, flame retardant
Application		Thermal and acoustic cellulose fibre insulation for mechanical installation in wet or dry application
Wood preservation	DE	Applicable in constructions to DIN 68800-2
Certification body		MPA NRW
natureplus Certificate		No. 0107-1410-128-1
Thermal conductivity $\lambda$	EU	0,037 W/(m · K) at 25–65 kg/m <sup>3</sup> Nominal value $\lambda_D$ according to ETA-04/0080
	DE	0,039 W/(m · K) bei 25–65 kg/m <sup>3</sup> Rated value $\lambda_B$ according to LBO
Density <sup>1)</sup>		25–50 kg/m <sup>3</sup> open blowing 38–65 kg/m <sup>3</sup> cavity filling 30–65 kg/m <sup>3</sup> CSO procedure <sup>2)</sup>
Specific heat capacity c		2,11 kJ / kg K
Reaction to fire	EU	According to DIN EN 13501-1: B-s2,d0 / E according to ETA-04/0080
	DE	B2 – normal inflammability
Water vapour diffusion resistance $\mu$		1 – 2
Resistance to mould growth		No development according to ISO 846
Airflow resistance r		$\geq 5$ kPa · s/m <sup>2</sup> at 25 kg/m <sup>3</sup> according to DIN EN 29053
Normal moisture		approx. 7 % at 23 °C and 50 % relative humidity
Primary renewable energy required <sup>2)</sup>		0,8 MJ/kg
Total primary energy required (PEI n.E.) <sup>2)</sup>		3,7 MJ/kg
Global warming potential (GWP) <sup>2)</sup>		-1,2 kg CO <sub>2</sub> eq/kg
Acidification potential (AP) <sup>2)</sup>		1,1 g SO <sub>2</sub> eq/kg
Ozone depletion potential (ODP) <sup>2)</sup>		1,97 · 10 <sup>-08</sup> kg CFC-11 eq/kg
Waste code no. (EAK)		170604 / 170904
Recycling		Separated, dry insulation material that can be re-used
Packaging		12,5 kg sacks, on pallets

<sup>1)</sup> The density used on site depends on the constructive requirements. The qualified installer receives instruction from the manufacturer on the necessary density to achieve compactness and avoid sagging.

<sup>2)</sup> From the cradle to the gate for average cellulose insulation material.



#### Your advantages:

- Excellent values in heat, cold and acoustic protection
- hygroscopic and moisture regulative
- Fire-safety tested
- All insulation thicknesses and shapes achieved without gaps or waste using one material
- Highly cost-effective
- Lowest production energy consumption of all industrially manufactured insulation materials
- High standard of training for installers

#### We will be pleased to answer your questions:

Dämmstatt GmbH  
Markgrafendamm 16  
D-10245 Berlin  
Telefon: +49 30 29394 – 0  
Fax: +49 30 29394 – 104  
E-Mail: [info@daemmstatt.de](mailto:info@daemmstatt.de)  
Internet: [www.daemmstatt.de](http://www.daemmstatt.de)

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**As product suppliers in the UK and Ireland, we're happy to assist you with your projects and have expert technical and sales advice on hand.**



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**Great Britain** +44 (0)1228 711511

**Ireland** +353 46 9432104



**Email us**

[info@ecologicalbuildingsystems.com](mailto:info@ecologicalbuildingsystems.com)



**Find us**

**Great Britain** Ecological Building Systems UK Ltd.,  
Cardewlees, Carlisle, Cumbria, CA5 6LF,  
United Kingdom

**Ireland** Ecological Building Systems Ltd.,  
Main Street, Athboy. Co. Meath, C15 Y678,  
Republic of Ireland