

TECHNICAL DATA:

Technical approval	EU	European Technical Approval ETA-05/0226
	D	Qualified technical specification General construction supervision approval Z-23-11-280: 2016
Composition	Newspaper fibres ≥ 90%, light metal salts, boric acid as flame retardant	
Application	Thermal and acoustic cellulose fibre insulation for mechanical installations in wet or dry processes	
Wood preservation	D	Applicable in constructions according to DIN 68800-2
Notified Certification Body	EU	MPA NRW
	CH	EMPA
	D	MPA NRW-00387-01, -03 according to Z-23.11-280
Natureplus Certificate	0107-1410-128-4	
Thermal conductivity λ	EU	0.038 W/(m · K) at 30–60 kg/m ³ Declared value λ_D according to ETA-05/0226
	CH	0.038 W/(m · K) at 30–60 kg/m ³ SIA
	D	0.040 W/(m · K) at 30–60 kg/m ³ Rated value
Density ¹⁾	30–40 kg/m ³ open blown, < 10°	
	40–60 kg/m ³ cavity-filling (ceiling, roof)	
	45–60 kg/m ³ wall	
	30–50 kg/m ³ spray on	
Specific heat capacity c	2150 J/(kg · K)	
Reaction to Fire	EU	B-s2,d0 / E according to DIN EN 13501-1 and ETA-05/0226
	CH	Fire coefficient 5.3 in accordance with VKF Agency Fire behaviour group RF 2
	D	E according to DIN EN 13501-1 corresponds to B2, DIN 4102
Water vapour diffusion resistance μ	1 – 2	
Resistance to mould growth	No development according to ISO 846	
Airflow resistance r	≥ 5 kPa · s/m ² at 30 kg/m ³	
Normal moisture	Approx. 8 % at 23 °C and 50 % rel. humidity	
Primary renewable energy expenditure ²⁾	0.8 MJ/kg	
Total primary energy expenditure ²⁾	3.7 MJ/kg	
Global Warming Potential (GWP) ²⁾	–1.2 kg CO ₂ eq/kg	
Acidification Potential (AP) ²⁾	1.1 g SO ₂ eq/kg	
Ozone Depletion Potential (ODP) ²⁾	1.97 10 ⁻⁰⁸ kg CFC-11 eq/kg	
Environmental impact points ³⁾	350 EIP/kg	
Waste code (EAK)	170604 / 170904	
Recycling	Separated and dry insulating material can be reemployed	
Packaging	350 kg big bales, 12,5 kg bags, palletized	

¹⁾ The density selected on site depends on the constructive requirements. The manufacturer provides specialist installers with information on the compacting density to exclude any settling.

²⁾ From the cradle to the factory gate („cradle to gate“) for an average cellulose insulation.

³⁾ in relation to production, additives, transport and disposal. Further information is also available in the KBOB recommendation 2014 or at www.eco-bau.ch.



The benefits to you:

- Outstanding performance for protection against heat, cold and sound
- Hygroscopic and moisture regulative
- Tested fire safety
- Perfect fit for every thickness and shape with only one material
- Lowest production energy consumption of all industrially produced insulation materials
- High quality installer training

We shall be happy to answer any questions you might have:

isofloc AG, CH-9606 Bütschwil
Phone: +41 (0)71 313 91 00
E-Mail: info@isofloc.swiss

No responsibility can be taken for this information, subject to technical modifications.
Copyright © isofloc AG / Bütschwil 2020 · dst/isoLM.db.ch.20201110



Produkt Bütschwil



Das Zeichen für verantwortungsvolle
Waldwirtschaft

