

## ISOCELL - cellulose fibre

According to classification standard EN 15101

### DATA SHEET

Designation		ISOCELL cellulose insulation fibre	
Fire protection		< 10% mineral additives	
Thermal conductivity $\lambda$ D	EAD, Annex A	0,037 W/ mK	
	Belgium	Swiss	Germany
Declared value/ rated value	0,037 W/ mK	0,037 W/ mK	0,039 W/ mK
Reaction to fire	EN 13501-1	$\geq 100$ mm/B – s2, d0	B2 - DIN 4102
Technical approval		ETA - 06 / 0076	
Quality control external		OiB	
<b>Blow- in density according to technical approval</b>			
loose		28 - 40 kg/ m <sup>3</sup>	
Condensed in wall, roof or ceiling area		38 - 65 kg/ m <sup>3</sup>	
Water vapour diffusion resistance	EAD, clause 2.2.4	$\mu = 3$	
Airflow resistance	EN 29053, Method A	$r = 6,6/8,1/25,1/34,5/46,3/74$ kPa.s/ m <sup>2</sup> at 28/30/45/50/55/65 kg/m <sup>3</sup>	
Spec. thermal capacity		2,11 kJ / kg K	
Water absorption, short-term	EN 1609, Method A	< 14,1 kg/m <sup>3</sup>	
Nominal thickness		loose up to 25cm = 10% extension loose over 25 cm = 15% extension	
Settlement behaviour under shock	EN 15101-1, Annex B3 and EAD	$S_V = 4\%$ (28kg/m <sup>3</sup> ) SC 0 (38kg/m <sup>3</sup> )	
Settlement behaviour under vibration	EN 15101-1, Annex B2	SH 20 (28kg/m <sup>3</sup> )	
Settlement behaviour under cyclic humidity stress	EN 15101-1, Annex B1	SH 10 (40kg/m <sup>3</sup> )	

### DIPOSAL

Disposal clue	Austria:	CEE:
	ASN 18407, ASN 91101	17 06 04, 17 09 04, 20 03 01
Disposal	The material can be restored to the producer, assumed it is not contaminated.	
	Burning in a refuse incineration plant as mono-waste or together with other community refuse is permitted.	

### QUALITY CONTROL PRODUCER

Density	1 x weekly
Settlement	1 x weekly
Water absorption	1 x weekly
Reaction to fire	1 x weekly

### ECOLOGICAL DATA

Primary energy from nonrenewable resources PENRT MJ/kg	2,54 MJ
Primary energy from renewable resources PERT MJ/kg	13,4 MJ
Greenhouse gas emissions GWP100	- 1,25 kg CO <sub>2</sub> equ./kg
Acidification potential of soil and water / AP	0,00107 kg SO <sub>2</sub> equ./kg



ISOCELL GmbH

