

Data sheet

ISOCELL- cellulose insulation fibre

According to classification standard EN15101

fire protection			10% mineral additives, thereof 3 % boric acid
technical approval			ETA – 06/0076
quality control external			OiB
blow- in density according to technical approval			
loose		ISO/CD 18393	28 - 40 kg/ m ³
condensed in wall, roof or ceiling area		ISO/CD 18393	38 - 65 kg/ m ³
thermal conductivity λ_D		EN 10456	0,039 W/ mK
declared value/ rated value			0,039 W/ mK
reaction to fire		EN 13501-1	100 mm / B – s2, d0 40 mm / E
water vapour diffusion resistance factor		EN 12086	$\mu = 1$
airflow resistance		EN 29053	at 30 kg/ m ³ $r = 5,3 \text{ kPa.s/ m}^2$ at 50 kg/m ³ $r = 25,1 \text{ kPa.s/ m}^2$
normal degree of humidity			max. 12 %
water absorption at 30 kg/ m ³		EN 1609	$W_P = 15,20 \text{ kg/ m}^2$
at 65 kg/ m ³			$W_P = 38,95 \text{ kg/ m}^2$
nominal thickness	loose up to 25cm	ISO/CD 18393	10 % extension
	loose over 25cm	ISO/CD 18393	15 % extension
settlement loose	28 kg/ m ³	ISO/CD 18393	max. 8 %
settlement condensed	38 kg/ m ³	ISO/CD 18393	0 %
quality control producer			
density			1 x weekly
settlement			1 x weekly
water absorption			1 x weekly
reaction to fire			1 x weekly
spec. thermal capacity			2.11 kJ / ka K
primary energy from nonrenewable resources PEI ne MJ/kg (Ho)			7,5 MJ
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greenhouse gas emissions / GWP 100			-0,8 kg CO ₂ eq/kg
influence on atmospheric acidity / AP			3,1 g SO ₂ eq
toxicology			no medical risk (certificate existant), during work, the use of a dust mask is required
diposal			the material can be restored to the producer, assumed it is not contaminated EWC: 17 06 04, 17 09 04, 20 03 01
disposal clue			Burning in a refuse incineration plant as mono-waste or together with other community refuse is permitted.

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