



July 2015

TP 115

Internal walls



Description

Mineral fibrous insulation material on the basis of glass with ECOSE® Technology, standardly supplied in slabs packed in packages containing several pieces. Recommended application - internal walls.

Specification

Thickness [mm]	Width [mm]	Length [mm]	Thermal conductivity λ_D [W/mK]	Thermal resistance R_D [m ² K/W]
40	610	1350	0,037	1,05
50	610	1250	0,037	1,35
60	610	1350	0,037	1,60
66	610	1250	0,037	1,75
75	610	1250	0,037	2,00
80	610	1350	0,037	2,15
100	610	1250	0,037	2,70
50	565	1250	0,037	1,35
100	565	1250	0,037	2,70
150	565	1250	0,037	4,05

Basic characteristics

Thermal conductivity coefficient

$\lambda_D = 0,037$ W/mK


Reaction to fire

A1

Advantages

- very good thermal insulation properties
- high fire resistance
- simple and easy handling
- dimensional stability
- benefits resulting from ECOSE® Technology:
 - softer feel
 - less dusty
 - odourless
 - easy to cut

TP 115

Technical data	Symbol	Value	Normative prescriptions
Declared coefficient of thermal conductivity	λ_D	0,037 W/mK	EN 12 667, EN 12 939
Reaction to fire	-	A1	EN 13 501-1
Accuracy class of thickness tolerance	-	T2	EN 823
Tension strength	-	> double weight	-
Air flow resistance	AF_1	$\geq 5,0 \text{ kPa.s/m}^2$ Value related to respective thickness d	EN 29 053
Diffusion resistance factor	μ	1	EN 12 086
CE marking	-	MW-EN 13162-T2-AF,5	EN 13 162
EC certificate of conformity		0764-CPR-0208	-



Application

TP 115 with ECOSE® Technology is intended for application in internal walls as a noise absorbing filling in internal grid or front-wall constructions especially in dividing walls and partitions with high acoustic and thermal requirements to constructions of plasterboard systems. If the material is applied in constructions with various heating modes it shall be coated with a moisture barrier on the side of heated premises in order to prevent interior humidity from penetrating into the material.

Package

The product is supplied in packages containing several slabs packed in PE plastic film. The protective package is marked with the manufacturer's logo and a type plate indicating specification of the product and recommended mode of application.

Quality

Knauf Insulation is the holder of Certificate of quality for Integrated Management Systems according to EN ISO 9001:2008, EN ISO 14 001:2004 and OHSAS 18001:2007. The whole manufacturing process is strictly controlled by the Knauf Insulation Quality Department which supervises that all emission limits are consistently observed.



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Mineral insulation with ECOSE® Technology is a revolutionary change in the field of insulation materials indeed. Insulation products made of mineral wool Knauf Insulation benefit from a natural, formaldehyde-free binder made from rapidly renewable organic materials, instead of petroleum-based chemicals. Thanks to ECOSE® Technology all new products made of glass mineral wool acquire a brand new appearance. The new binder provides the insulation wool with distinct natural brown colour – products contain no dye or artificial colours.

KNAUF INSULATION

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