

TECHNICAL DATA

IZOROL- SR EPS 200 and IZOROL-SR/KL EPS 200

For the production of insulation boards IZOROL- SR EPS 200² and IZOROL-SR/KL EPS 200³ styrofoam boards are used according to EN 13163:

EPS-EN 13163 T(1)-L(2)-W(2)-S(2)-P(5)-BS250-CS(10)200-DS(N)5-DS(70,-)2-DLT(2)5 for thicknesses: 10-15mm

Technical parameters table:

Property	Unit	Class	Requirements*	Measured values
Length	mm	L(2)	± 2 mm	-
Width	mm	W(2)	± 2 mm	-
Thickness	mm	T(1)	± 1 mm	-
Squareness	mm/m	S(2)	± 2 mm/1000 mm	-
Flatness	mm	P(5)	5 mm	-
Bending strength	kPa	BS250	≥ 250	-
Levels for compressive stress at 10% deformation	kPa	CS(10)200	≥ 200	239,3 for 10mm**
Dimensional stability under constant normal laboratory conditions	%	DS(N)5	± 0,5	-
Dimensional stability under specified temperature and humidity conditions (70° C, 48h)	%	DS(70,-)2	max 2%	-
Deformation under specified compressive load and temperature conditions (load: 40kPa, temperature: 70 ± 1°C, time: 168 ± 1h)	%	DLT(2)5	≤ 5'	-
Declared thermal conductivity	W/mK	-	0,034	0,0308 for 10mm**
Maximum permissible load (compressive stress at 20% deformation per 1m ² of the product)	kN	-	-	3,824 for 10mm***
Reaction to fire	-	E	-	-
Dimensions of the board IZOROL-SR EPS 200	mm	-	2000 x 1000	-
Dimensions of the board IZOROL-SR/KL EPS 200	mm	-	1000 x 1000	-

¹ At thicknesses < 20mm the requirement is 1mm instead of 5%

* According to EN 13163:2012 +A1:2015 standard

** Values measured in the Kotar laboratory under the project: " Kotar SR insulation and renovation system "

*** Values measured in Laboratorium Konstrukcji Budowlanych (Zakładu Konstrukcji Betonowych, Wydziału Budownictwa Lądowego i Wodnego) Politechniki Wrocławskiej under the project: " Kotar SR insulation and renovation system "

² IZOROL- SR EPS 200- EPS 200 boards to which the polypropylene fabric is glued

³ IZOROL- SR/KL EPS 200 – boards with an additional layer of glue on the bottom layer, covered with siliconized foil. KL- stands for an additional adhesive layer