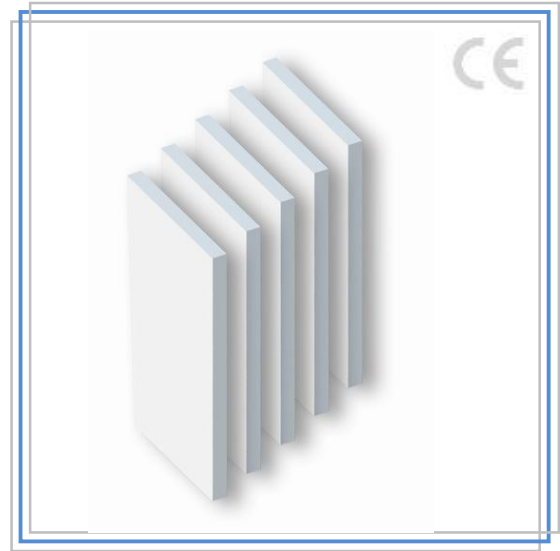


ICF REXwall – Integration of range

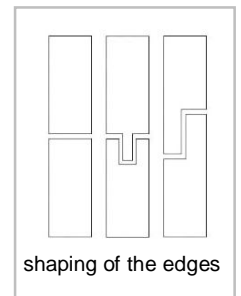
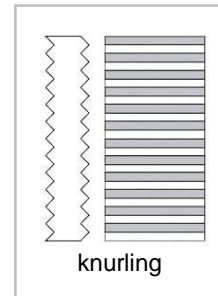
Expanded Sintered Polystyrene (EPS) insulating slabs placed under the concrete load-bearing beams, are used also for the closing elements of doors and windows. The application of insulation slabs is one of the most common techniques that can significantly improve the thermo-hygrometric behavior of a housing unit. This prevents the occurrence of convective air motions between the walls, thus eliminating one of the major source of heat loss.. We recommend to use only certified Rexpol slabs.



CHARACTERISTICS OF THE PRODUCT

Additional surface finishings:
knurling on two sides; holes (*Rexpol wind*).

Standard sizes:
100x50/60/100/120/200/280/400 cm; 280x60 cm;
120x50/60/200/400 cm.



PRODUCT PERFORMANCES

Formulas for the calculation of the thermal transmittance (K) and of heat resistance (R) are:

$$K \text{ (W/m}^2 \text{ K)} = \lambda \text{ (W/m K)} / \text{thickness (m)}$$

$$R \text{ (m}^2 \text{ K/W)} = \text{thickness (m)} / \lambda \text{ (W/m K)}$$

CERTIFICATIONS

quality management system
with **UNI EN ISO 9001** certification
CE certified EPS



Determination of the “thermal K” (W/m² K)

Spessori (cm)	REXPOL standard REXPOL cappotto white						
	EPS S $\lambda = 0,042$	EPS 80 $\lambda = 0,037$	EPS 100 $\lambda = 0,035$	EPS 120 $\lambda = 0,034$	EPS 150 $\lambda = 0,033$	EPS 200 $\lambda = 0,033$	EPS 250 $\lambda = 0,032$
3	1,400	1,233	1,167	1,133	1,100	1,100	1,067
4	1,050	0,925	0,875	0,850	0,825	0,825	0,800
5	0,840	0,740	0,700	0,680	0,660	0,660	0,640
6	0,700	0,617	0,583	0,567	0,550	0,550	0,533
7	0,600	0,529	0,500	0,486	0,471	0,471	0,457
8	0,525	0,463	0,438	0,425	0,413	0,413	0,400
9	0,467	0,411	0,389	0,378	0,367	0,367	0,356
10	0,420	0,370	0,350	0,340	0,330	0,330	0,320
11	0,382	0,336	0,318	0,309	0,300	0,300	0,291
12	0,350	0,308	0,292	0,283	0,275	0,275	0,267
13	0,323	0,285	0,269	0,262	0,254	0,254	0,246
14	0,300	0,264	0,250	0,243	0,236	0,236	0,229
15	0,280	0,247	0,233	0,227	0,220	0,220	0,213
16	0,263	0,231	0,219	0,213	0,206	0,206	0,200
17	0,247	0,218	0,206	0,200	0,194	0,194	0,188
18	0,233	0,206	0,194	0,189	0,183	0,183	0,178
19	0,221	0,195	0,184	0,179	0,174	0,174	0,168
20	0,210	0,185	0,175	0,170	0,165	0,165	0,160

SPECIFICATIONS

REXPOL standard panels (EPS...) for thermal insulation, in Expanded Sintered Polystyrene, auto-extinguishing in “E” Euroclass, complying with UNI EN 13163:2009 standards and e CE certified.



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