

SecilVit Painei EPS

EXPANDED POLYSTYRENE THERMAL INSULATION PANEL

TC.E.027.1 EN

1. DESCRIPTION

Compact panel in expanded Polystyrene.

SecilVit Painei EPS is available with two distinct densities: **SecilVit Painei EPS100** and **SecilVit Painei EPS 150**; in the thicknesses of 20 mm to 100 mm (other thicknesses on consultation).

2. FIELD OF USE

SecilVit Painei EPS is used as thermal insulation board in the external thermal insulation system (ETICS) **SecilVit Clássico**, by correcting the linear thermal bridges and reducing their thermal transmission, consequently improving the energy efficiency of the building where it is installed.

3. PRODUCT CHARACTERISTICS

PRODUCT	CLASSIFICATION
SecilVit Painei EPS100	EPS 100 – EN13163-T1-L1-W1-S1-P1-BS 150-CS (10) 100-DS (N)5
SecilVit Painei EPS150	EPS 150 – EN13163-T1-L1-W1-S1-P1-BS 200-CS (10) 150-DS (N)5

CHARACTERISTICS	VALUE
Water absorption by immersion	< 2% of volume
Reaction to fire	Euroclass E
Dimensional stability(23°C and 50% of relative humidity)	< 5 % DS(TH)
Shape stability to temperature	85°C
Coefficient of linear thermal expansion	5.10^{-5} to $7.10^{-5} \text{ }^{\circ}\text{C}^{-1}$
Water vapor diffusion factor μ	30 -70

THERMAL RESISTANCE VALUES					
Thickness (mm)	$R_T (\text{m}^2 \cdot \text{K/W})$		Thickness (mm)	$R_T (\text{m}^2 \cdot \text{K/W})$	
	EPS 100	EPS 150		EPS 100	EPS 150
20	0,50	0,55	70	1,84	2,06
30	0,75	0,85	80	2,10	2,35
40	1,05	1,15	90	2,37	2,65
50	1,30	1,45	100	2,60	2,95
60	1,55	1,75			

4. PACKAGING

Pack - SecilVit Painei EPS

- ▶ 30,0 m² - 20 mm thickness
- ▶ 20,0 m² - 30 mm thickness
- ▶ 15,0 m² - 40 mm thickness
- ▶ 12,0 m² - 50 mm thickness
- ▶ 10,0 m² - 60 mm thickness
- ▶ 8,0 m² - 70 mm thickness
- ▶ 7,0 m² - 80 mm thickness
- ▶ 6,0 m² - 90 mm thickness
- ▶ 6,0 m² - 100 mm thickness



5. RELATED PRODUCTS

▶ ADHERE Vit /Vit FibraFLEX

(Fixing Mortar for external thermal insulation systems)

6. HEALTH AND SAFETY

- ▶ The handling of this product does not require special care. However, it may cause some irritation in more sensitive skins. In this case, wash abundantly with cold water and soap.

Secil Argamassas

Secil Mantingança, S.A.

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Being in conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.

*Review of March 2013
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