

DECLARED VALUE	UNIT	ACCORDING TO EN 13163	MEASUREMENT STANDARD	FF-EPS 60S	FF-EPS 100	FF-EPS X 60S	FF-EPS ETICS
Application				Walls and roofs	Floors	Flat roofs	ETICS walls
Thermal conductivity $\lambda_{\text{Declared}}$	W/mK	λ_D	EN 12667	0,031	0,031	0,031	0,031
Thickness	mm			85–400	85–300	150–400	100–400
λ_U , dry structures *)	W/mK			0,031	0,031	0,031	0,031
λ_U , frost insulation	W/mK	RIL 225-2023 mukaisesti		Ei sovellu	Ei sovellu	Ei sovellu	Ei sovellu
λ_U , socle and basement external insulation	W/mK	RIL 225-2023 mukaisesti		Ei sovellu	Ei sovellu	Ei sovellu	Ei sovellu
λ_U , Ground floor	W/mK	RIL 225-2023 mukaisesti		Ei sovellu	0,034	Ei sovellu	Ei sovellu
λ_U , inverted roof	W/mK	RIL 225-2023 mukaisesti		Ei sovellu	Ei sovellu	Ei sovellu	Ei sovellu
Compressive strength, short term 45 days	kPa	CS(10/Y)i	EN ISO 29469:2022	60	100	60	60
Compressive creep, 50 years	kPa	CC(i1/i2/50) δ_c	EN 1606	NPD	CC(3,0/2,0/50)40	NPD	NPD
Dimensional stability	%	DS(70,90)	EN 1604	1	1	1	1
Bending strength	kPa	BSi	EN 12089	100	150	100	100
Tensile strength	kPa	TRi	EN 1607	130	NPD	130	130
Shear strength	kPa	SSi	EN 12090	50	NPD	50	50
Water absorption, 28 days immersion	t%	WL(T)i	EN ISO 16535:2019	NPD	3	NPD	NPD
Sliding module	kPa	-		-	-	-	1000
Water vapour permeability	μ	MUi	EN 12086	20–40	30–70	20–40	20–40
Reaction to fire			EN 13501-1	E	NPD	E	E
Indoor emission classification				M1	M1	M1	M1
Operating temperature	°C			- 150 ... + 75	- 150 ... + 75	- 150 ... + 75	- 150 ... + 75

*) External walls, roofs (excluding inverted roof), ventilated floor