

EFYOS



**THERMAL
INSULATION**

XPS



SOPREMA
GROUP

EFYOS XPS

EFYOS A GLOBAL BRAND DELIVERING MARKET LEADING INSULATION IN THE UK

EFYOS is a global brand of Insulation products and solutions manufactured by SOPREMA, installed all over the world. The EFYOS XPS Insulation range has been developed specifically for the UK construction industry, and is fully compatible with multiple SOPREMA roofing and waterproofing systems, providing industry professionals with a total insulation and waterproofing solution, from one single source, covered by the SOPRACOVER Insurance backed single point warranty.

EFYOS XPS insulation, is an industry leading range of extremely high performance, extruded polystyrene (XPS) closed cell insulation boards, suitable for many demanding and varied insulation applications including inverted and green roofs including zero fall roof designs in conjunction with SOPREMA zero fall waterproofing systems, floors, walls and below ground works.

SUSTAINABLE MANUFACTURING

Following the SOPREMA 'ECOCONSTRUCTION' initiatives to reduce carbon emissions and use of raw materials in product manufacturing, the production process utilises reuse of recycled materials and uses SOPREMA climate-friendly propellants during the manufacture of EFYOS XPS products.

APPLICATIONS



INTERIOR WALL



FOUNDATION WALL



FLAT ROOF



PITCHED ROOF



FLOORS & PARKING



CAVITY WALL



SIDING

ADVANTAGES

- + Outstanding energy efficiency
- + Exceptional compressive strength
- + Excellent moisture resistance
- + Easy to install
- + Application versatility
- + 100% recyclable
- + Total waterproofing & insulation solution – compatible with SOPREMA waterproofing

EXPERTISE

Experts in the manufacture of waterproofing and insulation systems, EFYOS XPS insulation has been designed and developed by SOPREMA, with extreme performance in mind. The closed cell structure of EFYOS XPS insulation boards delivers extremely high compressive strength and outstanding thermal performance properties.

ENERGY EFFICIENCY

Boasting impressive thermal conductivity, EFYOS XPS Lambda values guarantee high thermal insulation performance year after year and can be used in areas where other types of insulation cannot perform. The EFYOS XPS range has thermal conductivity ratings as low as 0.029W/mk enabling thinner board thicknesses to be utilised.

COMPRESSIVE STRENGTH

Designed for applications where additional load bearing capability is required, EFYOS XPS provides exceptional compressive strength in the most challenging environments; under slabs, concrete floors, foundations, plaza and podium decks and is also suitable for cold storage applications and underground works.

WARRANTY

SOPREMA offer the SOPRACOVER Insurance-backed, single-point warranty on all EFYOS XPS products. Since EFYOS XPS is fully compatible with SOPREMA waterproofing systems, a single-point total waterproofing and insulation warranty can be supplied when EFYOS XPS is installed together with SOPREMA waterproofing.

XPS GUIDE

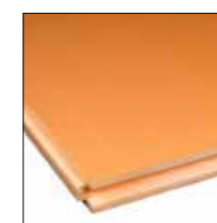
	WALL		ROOF		FLOOR	SIDING	P.
	INTERIOR WALL	FOUNDATION WALL	FLAT ROOF	PITCHED ROOF	FLOORS & PARKING	CAVITY WALL & SIDING	
XPS CW				λ		λ	6
XPS CR	λ	λ	λ	λ	λ	λ	8
XPS SL		λ	λ	λ	λ		8
XPS 500					λ High Load		9
XPS 700					λ High Load		9
XPS MULTI 20	λ				λ		10



XPS ROOF 115

Roof 115 is a light weight and easy to install geotextile, that is loose laid over XPS insulation. It is used as a separation layer and protection on the insulation of inverted roofs.

Dimensions (m)	1.5 x 50
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XPS CW ARTIC



XPS CW Artic is a rigid thermal insulation board made of extruded polystyrene (XPS) foam.

XPS CW Artic is mainly used as thermal insulation for walls and facades.

Dimensions (mm)	2500 x 600
Finish	Edge profile: tongue-groove Surface: smooth with skin
Application	
Fire reactivity	E
Compressive strength	≥ 250 kPa
Long-term Water absorption by v Immersion (EN12088)	WL(T)0.7

Thicknesses (mm)	30	40	50	60	80	100	120	
R ₀ : (m ² .K/W) *	0.9	1.2	1.5	1.8	2.2	2.8	3.35	
panels per pack	14	10	8	7	5	4	3	
m ² per pack	21	15	12	10.5	7.5	6	4.5	
Packs per pallet	12						14	
m ² per pallet	252	180	144	126	90	72	63	
Thermal conductivity (W/(m.K))	0.034	0.034	0.034	0.034	0.036	0.036	0.036	



XPS CR



XPS CR is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly CO2 technology.

XPS CR is mainly used as thermal insulation for zero fall, flat and pitched roofs, floors, walls, facades and underground constructions. On zero fall and flat roofs it must be used in combination with ballast.

Dimensions (mm)	1250 x 600
Finish	Edge profile: smooth edge Surface: smooth with skin
Application	
Fire reactivity	E
Compressive strength	≥ 300 kPa
Long-term Water absorption by Immersion (EN12088)	WL(T)0.7

Thicknesses (mm)	30'	40'	50'	60'	80'	100'	120'	140	160
R ₀ : (m ² .K/W) *	0.9	1.2	1.5	1.8	2.2	2.8	3.35	3.7	4.25
panels per pack	14	10	8	7	5	4	3		2
m ² per pack	10.5	7.5	6	5.25	3.75	3	2.25		1.5
Packs per pallet	12						14	12	16
m ² per pallet	126	90	72	63	45	36	31.5	27	24
Thermal conductivity (W/(m.K))	0.034	0.034	0.034	0.034	0.036	0.036	0.036	0.038	0.038



XPS SL



XPS SL is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly CO2 technology.

XPS SL is mainly used as thermal insulation for zero fall, flat and pitched roofs, floor and underground constructions. On zero fall and flat roofs it must be used in combination with ballast.

Dimensions (mm)	1250 x 600 2500 x 600
Finish	Edge profile: rebate edge Surface: smooth with skin
Application	
Fire reactivity	E
Compressive strength	≥ 300 kPa
Long-term Water absorption by Immersion (EN12088)	WL(T)0.7

Thicknesses (mm)	30*	40*	50*	60*	80*	100*	120*	140	160
R ₀ : (m ² .K/W) *	0.9	1.2	1.5	1.8	2.2	2.8	3.35	3.7	4.25
panels per pack	14	10	8	7	5	4	3		2
m ² per pack: 1250 x 600	10.5	7.5	6	5.25	3.75	3	2.25		1.5
m ² per pack: 2500 x 600	21	15	12	10.5	7.5	6	4.5		3
packs per pallet	12						14	12	16
m ² per pallet 1250 x 600	126	90	72	63	45	36	31.5	27	24
m ² per pallet 2500 x 600	252	180	144	126	90	72	63	54	48
Thermal conductivity (W/(m.K))	0.034	0.034	0.034	0.034	0.036	0.036	0.036	0.038	0.038



XPS MULTI 20



XPS MULTI 20 is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly CO2 technology.

XPS MULTI 20 is mainly used as thermal insulation for floors and walls.

Dimensions (mm)	1250 x 600
Finish	Edge profile: smooth edge Surface: rough
Application	
Compressive strength	≥ 250 kPa
Long-term Water absorption by Immersion (EN12088)	WL(T)0.7

Thicknesses (mm)	20
R ₀ : (m ² .K/W) *	0.6
panels per pack	21
m ² per pack	15.75
Packs per pallet	12
m ² per pallet	189
Thermal conductivity (W/(m.K))	0.034



XPS 500



XPS 500 is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly CO2 technology.

XPS 500 is mainly used as thermal insulation for floors and car parks where a high compressive strength is required.

Dimensions (mm)	1250 x 600
Finish	Edge profile: rebate edge Surface: smooth with skin
Application	
Fire reactivity	E
Compressive strength	≥ 500 kPa
Long-term Water absorption by Immersion (EN12088)	WL(T)0.7

Thicknesses (mm)	40	50	60	80	100	120
R ₀ : (m ² .K/W) *	1.2	1.5	1.8	2.2	2.8	3.35
panels per pack	10	8	7	5	4	3
m ² per pack	7.5	6	5.25	3.75	3	2.25
Packs per pallet	12					14
m ² per pallet	90	72	63	45	36	31.5
Thermal conductivity (W/(m.K))	0.034	0.034	0.034	0.036	0.036	0.036



XPS 700



XPS 700 is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly CO2 technology.

XPS 700 is mainly used as thermal insulation for floors and car parks where a very high compressive strength is required.

Dimensions (mm)	1250 x 600
Finish	Edge profile: rebate edge Surface: smooth with skin
Application	
Fire reactivity	E
Compressive strength	≥ 700 kPa
Long-term Water absorption by Immersion (EN12088)	WL(T)0.7

Thicknesses (mm)	40	50	60	80	100	120
R ₀ : (m ² .K/W) *	1.2	1.5	1.8	2.2	2.8	3.35
panels per pack	10	8	7	5	4	3
m ² per pack	7.5	6	5.25	3.75	3	2.25
Packs per pallet	12					14
m ² per pallet	90	72	63	45	36	31.5
Thermal conductivity (W/(m.K))	0,034	0,034	0,034	0,036	0,036	0,036

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