

**EFYOS**



**THERMAL  
INSULATION**

**XPS**



# EFYOS XPS

## EFYOS A GLOBAL BRAND DELIVERING MARKET LEADING INSULATION IN IRELAND

**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 Irish 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 high performance extruded polystyrene (XPS) closed cell insulation boards, suitable for many demanding and varied insulation applications including inverted and green roofs.

## SUSTAINABLE MANUFACTURING

Following the **SOPREMA 'ECOSTRUCTION'** 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.



### ADVANTAGES

- + High 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 high compressive strength and thermal performance properties.

## ENERGY EFFICIENCY

**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 high compressive strength in the most challenging environments; concrete floors, foundations, podium decks, 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 PRODUCTS



## 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
Compressive strength	≥ 300 kPa

Thicknesses (mm)	30*	40*	50*	60*	80*	100*	120*	140	160
R <sub>0</sub> : (m <sup>2</sup> .K/W) *	0.9	1.2	1.5	1.8	2.2	2.8	3.35	3.7	4.25
Thermal conductivity	0.034	0.034	0.034	0.034	0.036	0.036	0.036	0.038	0.038



## 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
Compressive strength	≥ 500 kPa

Thicknesses (mm)	40	50	60	80	100	120
R <sub>0</sub> : (m <sup>2</sup> .K/W) *	1.2	1.5	1.8	2.2	2.8	3.35
	0.034	0.034	0.034	0.036	0.036	0.036



## XPS PROTECT ARTIC C



XPS Protect Artic C is a rigid thermal insulation board made of extruded polystyrene (XPS) foam with a hard cement-based facing on one side.

XPS Protect Artic C is mainly used for upstands on flat roofs and underground walls.

Dimensions (mm)	1250 x 590
Finish	Edge profile: rebate edge Surface: cement-based facing
Compressive strength	≥ 300 kPa

Thicknesses (mm)	50	60	80	100	120
R <sub>0</sub> : (m <sup>2</sup> .K/W) *	1.75	2.10	2.75	3.45	4.15
Thermal conductivity	0.029	0.029	0.029	0.029	0.029



## 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
Compressive strength	≥ 700 kPa

Thicknesses (mm)	40	50	60	80	100	120
R <sub>0</sub> : (m <sup>2</sup> .K/W) *	1.2	1.5	1.8	2.2	2.8	3.35
	0.034	0.034	0.034	0.036	0.036	0.036

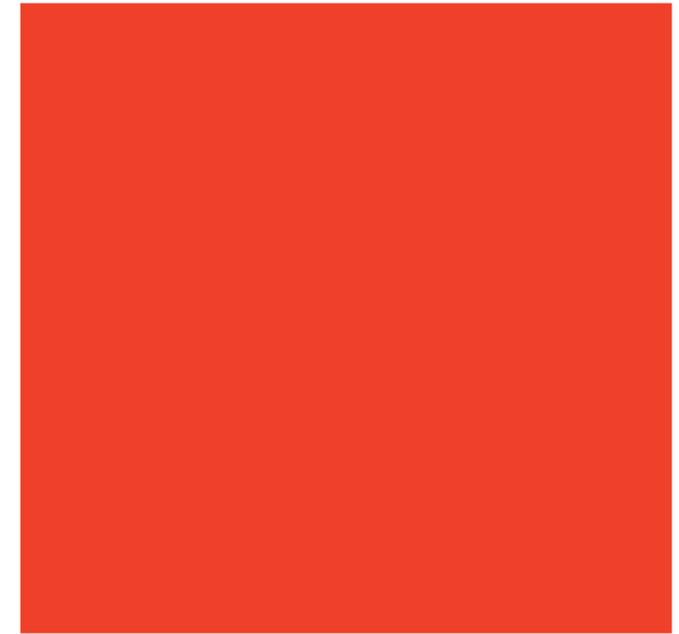
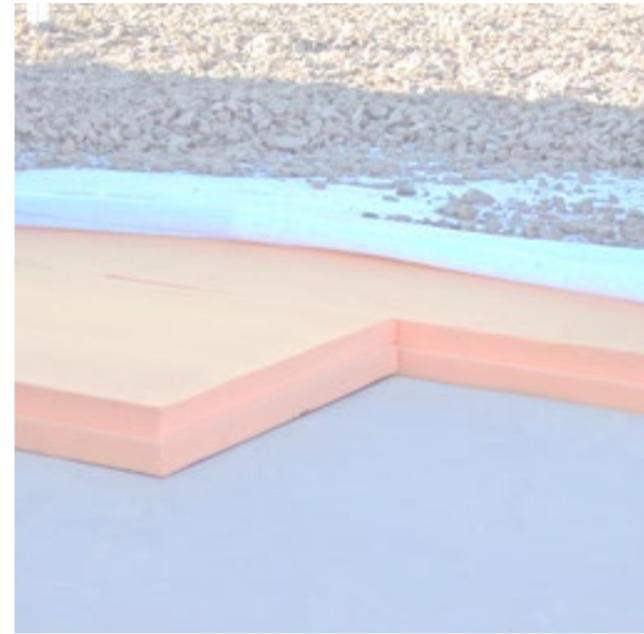


## XPS ROOF 115

Roof 115 is a light weight and easy to install water dispersion layer that is loose laid on top of the XPS insulation for inverted roofs. This is used as a separation and protection layer contributing to the thermal performance of the roof by retaining the water, preventing it to penetrate to the waterproofing layer. The result is a lower correction factor DU to compensate for heat loss due to the cooling effect of the water, this provides the insulation with a higher thermal resistance  $R_{tot}$ , which contributes to the required insulation thickness.

Roof 115 has a high resistance to bacteria, UV, rot and bitumen.

Dimensions (m)	1.5 x 50
Thickness (mm)	0.4
Mass	120g/m <sup>2</sup>



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