



Warm Therm XPS Insulation Panel W-THERM XPS

Material Properties	Unit	Description			Standart
Material		Expanded Polystrene Insulation Panel			
Type Of Material		W-Therm XPS			
Density	KG/m ³	26-30			TS EN 1602
Width	mm	600			TS EN 1602
Length	mm	1200			TS EN 1602
Thickness	mm	20mm	30mm Plain	30mm Rough	TS EN 823
Covering		Uncoated			
Fire Resistance	Class	E Class			TS EN 13501-1
Working Temperature	C°	-50 C° - +75C°			
Thermal Conductivity Coefficient	λ (W/m ² k)	$\lambda < 0,035 \pm \%5$			TS EN 12667
Linear Thermal Expansion Coefficient	(mm/m ² k)	<0,07			TS EN 1604
Vapor Diffusion Coefficient	μ	100-200			TS EN 12086
Compression Strenght CS (10/Y)	kPa	≥100kPa	≥ 300kPa	≥ 250kPa	TS EN 926
Long Term Water Absorption with Total Immersion		WL (T) ≤ 1,5%			TS EN 12087
Long Term Water Absorption Trough Diffusion		WD (V)5 5%			TS EN 1288
Capillarity		None			
Storage		Keep away from sunlight and flame source. Don't store in closed areas that are not air-conditioned well.			
Environmental Effect		Warm Therm XPS Insulation products don't include heavy metals as asbestos, lead,mercury,etc. And CFC and HCFC gases. They don't have harmful effect on ozone layer. They are %100 recyclable.			



Warm Therm XPS Insulation Panel W-THERM XPS +

Material Properties	Unit	Description			Standart
Material		Expanded Polystyrene Insulation Panel			
Type Of Material		W-Therm XPS+			
Density	KG/m ³	22-26			TS EN 1602
Width	mm	600			TS EN 1602
Length	mm	1200			TS EN 1602
Thickness	mm	20mm	30mm Plain	30mm Rough	TS EN 823
Covering		Uncoated			
Fire Resistance	Class	E Class			TS EN 13501-1
Working Temperature	C°	-50 C° - +75C°			
Thermal Conductivity Coefficient	λ (W/m ² k)	$<0,036 \pm \%5\lambda$			TS EN 12667
Linear Thermal Expansion Coefficient	(mm/m ² k)	$<0,07$			TS EN 1604
Vapor Diffusion Coefficient	μ	100-200			TS EN 12086
Compression Strenght CS (10/Y)	kPa	$\geq 100kPa$	$\geq 200kPa$	$\geq 200kPa$	TS EN 926
Long Term Water Absorption with Total Immersion		WL (T) $\leq 1,5\%$			TS EN 12087
Long Term Water Absorption Trough Diffusion		WD (V)5 5%			TS EN 1288
Capillarity		None			
Storage		Keep away from sunlight and flame source. Don't store in closed areas that are not air-conditioned well.			
Environmental Effect		Warm Therm XPS Insulation products don't include heavy metals as asbestos, lead,mercury,etc. And CFC and HCFC gases. They don't have harmful effect on ozone layer. They are %100 recyclable.			



Warm Therm XPS Insulation Panel W-THERM XPS-S

Material Properties	Unit	Description	Standart
Material		Expanded Polystrene Insulation Panel	
Type Of Material		W-Therm XPS-S	
Density	KG/m ³	28-32	TS EN 1602
Width	mm	600	TS EN 1602
Length	mm	1200	TS EN 1602
Thickness	mm	20mm 30mm Plain 30mm Rough	TS EN 823
Covering		Uncoated	
Fire Resistance	Class	E Class	TS EN 13501-1
Working Temperature	C°	-50 C° - +75C°	
Thermal Conductivity Coefficient	λ (W/m ² k)	$\lambda < 0,030 \pm \%5$	TS EN 12667
Linear Thermal Expansion Coefficient	(mm/m ² k)	<0,07	TS EN 1604
Vapor Diffusion Coefficient	μ	100-200	TS EN 12086
Compression Strenght CS (10/Y)	kPa	≥100kPa ≥ 300kPa ≥ 250kPa	TS EN 926
Long Term Water Absorption with Total Immersion		WL (T) ≤ 1,5%	TS EN 12087
Long Term Water Absorption Trough Diffusion		WD (V)5 5%	TS EN 1288
Capillarity		None	
Storage		Keep away from sunlight and flame source. Don't store in closed areas that are not air-conditioned well.	
Environmental Effect		Warm Therm XPS Insulation products don't include heavy metals as asbestos, lead,mercury,etc. And CFC and HCFC gases. They don't have harmful effect on ozone layer. They are %100 recyclable.	