

Feininger XPS Foam Board Technical Sheet

PROPERTIES	STANDARD		UNIT	MODELS										
	GB STANDARD	EQUIVALENT		FS200	FS250	FS300	FS350	FS400	FS450	FS500	FS600	FS700	FP250	FP300
Density (min.)	GB/T 6343-1995	BS4370.2	KG/CBM	28-30	30-33	33-35	35-38	38-41	41-44	44-47	47-50	50-55	28-31	31-35
Thermal Conductivity (90 days,10℃)	GB/T10294	BS4370	W/m.k	≤0.028				≤0.027				≤0.033	≤0.030	
Thermal Conductivity (90 days,25℃)				≤0.030				≤0.029				≤0.035	≤0.032	
Compressive Strength at 10% deflection	GB/T 10801	BS3837.2	Kpa	≥150	≥250	≥300	≥350	≥400	≥450	≥500	≥600	≥700	≥200	≥300
Water absorption by immersion (96h)	GB/T 8810	ISO2896:2001	%	≤1.0									≤2.0	≤1.5
Water vapor permeability	GB/T 2411	BS4370	Ng/m.s.pa	≤3.0				≤2.0				≤3.5	≤3.0	
Dimensional Stability 70℃±2℃， 48h	GB/T 8811-2008	ISO2796:2001	%	≤2.0	≤1.5			≤1.0				≤2.0	≤1.5	
Fire classification	GB/T 8624-1997	EN13501-1:2007		B1 Grade,B2 Grade,or None										
Temperature limits	-		℃	-50/+75										
Physical dimension	Length		mm	1200 , 2400 , 2500 or per design										
	Width		mm	600mm,700mm,900mm,1200mm or per design										
	Thickness		mm	20~120	20~120	25~120	25~120	30~120	40~80	40~80	40~80	50~80	10~120	20~120
	Edge profile		-	Square,Shiplap(30mm thick above),T&G(40mm thick above),Butt shap(30mm thick above)										
	Surface type		-	Skin surface										
APPLICATION														
Application(Regular Thickness/Surface/Edge profile) PN:planed GR:grooved SN:Skin SE:square SL:Shiplap edge TG:Tongue&Groove BT:Butt edge				FS200	FS250	FS300	FS350	FS400	FS450	FS500	FS600	FS700	FP250	FP300
ROOFS	Warm Flat Roof (50,60,80,100mm/TG/SN)			Y									Y	
	Lightweight Inverted Roof (50,60,75,90,100,120mm/SL/SN)					Y								Y
	Cold Roof (25,50,60,75,120mm/BT/SN)				Y	Y								Y
	Cold storage house ceiling (30,50,60,75,90,100,120mm/SL,TG/SN)			Y	Y									
WALLS	External insulation (25,50,60,75,120mm/BT/PN)												Y	Y
	Internal Tile backing (25,50,60,75,120mm/BT/PN)												Y	
	Internal plaser board lamnate (25,50,60,75,120mm/BT/PN)													Y
	Basement wall (50mm/SL/GR)													Y
	Cold store panel (50,100,120mm/TG/PN)												Y	Y
	Cold storage house wall (30,50,60,75,90,100,120mm/SL,TG/SN)			Y	Y									
FLOORS	Above concete slab (25,30,35,50,75mm/BT/SN)			Y	Y	Y	Y							
	Below ground bearing slab (25,30,35,50,75,80mm/BT,SL/SN)			Y	Y	Y	Y	Y	Y	Y	Y	Y		
	Industrial floors (30,50,75,80mm/BT,SL/SN)						Y	Y	Y	Y	Y	Y		
	Lost formwork (25,50,60,75,120mm/BT/PN)												Y	
	Cold storage house floor (50,60,75,90,100,120mm/SL/SN)						Y	Y	Y	Y	Y	Y		
REFRIGERATED TRUCK (25, 40, 50, 60, 75, 80, 100, 120mm/BT/PN,GR)	Wall,Roof,Door							Y						
	Floor							Y				Y		
COMPOSITE PANELS (20, 40, 60, 80, 100, 120mm/BT/PN)	curtain walling													Y
	infill													Y
	General laminates													Y
OTHERS	Ice rink				Y	Y	Y	Y						
	Airfield runway						Y	Y	Y	Y	Y	Y		
	Canal bank construction					Y	Y	Y	Y					
	Road foundation								Y	Y	Y	Y		
	High-speed railway pavement										Y	Y		
	Poultry house			Y	Y	Y	Y	Y						
Above data for general reference only:for assurance please contact us for specific confirmation.														