BYUCKSAN **ISOPINK** *

(EXTRUDED POLYSTYRENE FOAM BOARD)

BYUCKSAN

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BYUCKSAN

Introduction*

Byucksan Corporation first introduced ISOPINK a vacum-extruded polystyrene foam insulation material to Korea in early 1980. Byucksan Corp. employs the Hydrovac™Ð Process, an international patented technology which only licensed to 8 countries in the world, in the production of the ISOPINK extruded polystyrene foam insulation board, commonly known an EPS Insulation.
During the Hydrovac™Ð Process, water and vacum pressure are used to turn the pure polystyrene into a closed cell structure.

Characteristics*

ISOPINK is a non-flammable waterproof insulation material with excellent thermal properties and high compressive strength, and can resist moisture and corrosive attacks.

Excellent Thermal Properties	Non-combustibility	Good Compressive Strength	Convenient Constructability and Workability	Corrosion Resistance	Moisture and Water Resistance

Standards*

Thickness	10	15	20~40	50~75	80	85	90	95	100	105	110	115	120	125	130	140	145	150	155	160
35kg/m³																				
30kg/m³																				
25kg/m³																				
20kg/m³																				
Thickness Tolerance			±2			±3					As discussed									

Width	35kg/m³ 30kg/m³	900				1000			
	25kg/m³ 20kg/m³	900				-			
Length	all	1800 ~ 2800 (per 10mm)							
Width, Length Tolerances		Less than 1,000 in length : +10,-0 Over 1,000 in length : +15,-0 Over 2,000 in length : +20,-0							
		Less than 1,000 in width : +10,-0							

Specification Data*

Density	35kg/m³	30kg/m³	25kg/m³	20kg/m³
Thermal Conductivity (23±2°C)(W/m·K)	Below 0.029	Below 0.030	Below 0.031	Below 0.033
Compressive Strength(N/cm²)	Above 25	Above 18	Above 14	Above 10
Bending Strength(N)	Above 45	Above 35		
Burning Quality	Less than 120 seconds of burning time and less than 60mm of burning length			
Resistance to Moisture	Below 146 ng/m².s.Pa per thickness of 25mm			

Edge Detail*

Square	
Shiplap	

Applications*

Thermal insulation of general building

Thermal insulation of basement

Exterior wall insulation

Gymnasium / Insulation of floor of ice rink

Roof insulation

Roof / Interior wall insulation

Roof / Interior wall insulation

Insulation for refrigerated vehicle body