

PLYFORME

POLYPROPYLENE BOARD

PLYFORME POLYPROPYLENE BOARD IS AN INNOVATIVE SOLUTION IN THE CONSTRUCTION INDUSTRY, EMPHASIZING ITS ENVIRONMENTAL BENEFITS, COST-EFFECTIVENESS, AND EFFICIENCY. DESIGNED TO MEET THE DEMANDS OF EXPANSIVE CONSTRUCTION PROJECTS, OUR FORMWORK SOLUTION OFFERS 60-100 SUGGESTED USAGES, FACILITATING THE SEAMLESS CONSTRUCTION OF COLUMNS, FOUNDATIONS, RETAINING WALLS, AND CONCRETE SLABS WITH EASE.

PLYFORME POLYPROPYLENE BOARDS ARE MADE FROM A COMBINATION OF PREMIUM RAW MATERIAL POLYPROPYLENE AND A TECHNOLOGICALLY ADVANCED PRODUCTION PROCESS. PLYFORME POLYPROPYLENE BOARDS EMPOWER BUILDERS TO EXPEDITE CONSTRUCTION TIMELINES, SURPASS DEADLINES, AND ACHIEVE SUBSTANTIAL COST SAVINGS. WITH FLAWLESS SURFACE QUALITY, EACH PLYFORME BOARD ENSURES MINIMAL TOUCH-UPS POST-DISMANTLING, GUARANTEEING A SUPERIOR CONCRETE FINISH AND ELEVATING THE STANDARD OF EXCELLENCE IN CONSTRUCTION PROJECTS.

EMBRACE INNOVATION, SUSTAINABILITY, AND EFFICIENCY WITH PLYFORME POLYPROPYLENE BOARDS.

PLYFORME ADVANTAGES

WITHSTANDS HIGH
CONCRETE PRESSURE



DURABILITY



WATER RESISTANT



SUSTAINABLE AND
RENEWABLE MATERIAL



LONG LIFE SPAN



SECURED RAW
MATERIALS SUPPLY



TERMITE RESISTANT



NON-TOXIC



HIGH FLEXURAL STRENGTH



SHOCK RESISTANCE



THERMAL STABILITY



CHEMICAL/WATER RESISTANCE



SMOOTH SURFACE QUALITY



RECYCLABLE



SUGGESTED USAGE

60-
100X

RAW MATERIALS:

MADE OF HIGH GRADE POLYPROPYLENE



CORROSION RESISTANT MATERIALS



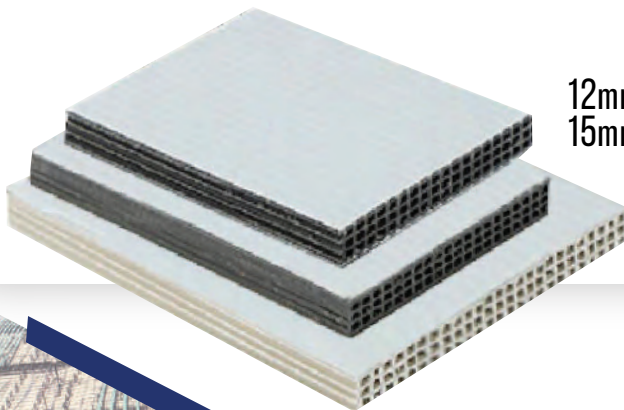
HIGH MELTING POINT AT 163°C



HEAT RESISTANT MATERIALS



SIZES AND DIMENSIONS:
12mm x 1220mm x 2440mm
15mm x 1220mm x 2440mm



TESTING

TECHNICAL PROPERTIES

TEST NUMBER	PROPERTIES		STANDARD LIMITS	TEST RESULTS	TEST PASS
1	Notched impact strength of simply supported beam	Horizontal	>30 KJ/m ²	>48 KJ/m ²	Accredited
		Vertical	>30 KJ/m ²	>85 KJ/m ²	Accredited
2	Deformation rate after heating	Horizontal	+/- 0.2%	0.15%	Accredited
		Vertical	+/- 0.2%	0.13%	Accredited
3	Shore hardness		>58	70	Accredited
4	Grip strength with nail		---	1015 N	---

MECHANICAL PROPERTIES

TEST NUMBER	PROPERTIES	STANDARD	RATE	RESULT
1	Water absorption	<0.5	%	0.412
2	Heat distortion temp	ASTM D-648	1.82 Mpa	70 °C
3	Notched izod impact test	ASTM D-256	23 °C	10.57 KJ/m ²
4	Tensile strength	ASTM D-638	10mm/min	23.36 MPa
5	Flexural modulus	ASTM D-790	2mm/min	3030 MPa
6	Bending strength	ASTM D-790	2mm/min	31.02 MPa

