

# BETABOARD PS



## DATASHEET

## DESCRIPTION

BETABOARD PS is made from Polypropylene Corrugated sheets which are constructed of two outer layers and vertical flute connecting the surfaces. The Polypropylene corrugated sheets can withstand soil and water invasion to concrete foundations and has an outstanding resistance to all chemicals existing in the soil such as acids, salts etc. This type of polypropylene exhibits high stiffness, very high impact properties, excellent creep and deforming resistance.

## GENERAL USE OF BETABOARD PS

- Protection to waterproofing membranes.
- Can be used in lining shutters for smooth finish.
- Thermal insulation board. It can withstand temperature up to 70°C, thus it reduces heat transfer through walls & doors.
- Protection for sub structures.
- Protection for fixtures, floors and tiling walls during construction

## TECHNICAL PROPERTIES FOR RAW MATERIAL

TEST	METHOD	VALUE UNIT
Tensile modulus	ISO 179 at 0°C	No break kg/m <sup>2</sup>
Tensile stress	ISO 527 -1, -2	27mpa
Tensile strain at break	ISO 527 -1, -2	>50%
Impact at 0°C	ISO 179	No break
Heat deflection	ISO 75B -1, 2	78°C
Hardness (H358/30)	ISO 20309 -1	48mpa
Thermal deflection	ISO 75B -1, -2	78°C

## TECHNICAL PROPERTIES OF BOARDS (RESULTS)

Tensile Strength:

Test Method: ASTM D 638-02a

TEST REF.	WIDTH (MM)	THICKNESS (MM)	LOAD (N)	LOAD (KG)
1	25.0	6.27	764.30	77.91
2	25.0	6.23	692.20	70.56
3	25.0	6.24	689.40	70.27
			715.30	72.91

Tested by AL FUTTAIM BODYCOAT Material Testing Services, Dubai U.A.E.

## DIMENSIONS

SIZE (PCS)	THICKNESS (MM)	QTY. CURTAIN TRAILER (PCS)	WEIGHT (G/M <sup>2</sup> )
1.22 X 2.44	2	8025	380
1.22 X 2.44	3	4550	450
1.22 X 2.44	4	3410	650
1.22 X 2.44	6	2564	936

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions etc.



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## INTRODUCTION

BETABOARD PS is made from Poly Propylene Corrugated sheets which are constructed of two outer layers and vertical flute connecting the surfaces. The Poly Propylene Corrugated sheets can withstand soil and water invasion to concrete foundations and has an outstanding resistance to all chemicals existing in the soil such as acids, salts etc. This type of Poly Propylene exhibits high stiffness, very high impact properties, excellent creep and deforming resistance.

## GENERAL USE OF BETABOARD PS.

1. Protection to waterproofing membranes. 2. Can be used in lining shutters for smooth finish. 3. Thermal Insulation board. It can withstand temperature up to 700C, thus it reduces heat transfer through wall & doors. 4. Protection for sub structures. 5. Protection for fixtures, floors and tiling walls during construction.