

# Plastform MDO 333

## Technical Data Sheet

- 17.5mm nominal thickness
- 2440 x 1220
- 7 ply 17.5mm (hardwood F/B/Taeda Pine Cores)
- Overlaid with Arclin 333 MDO (370 gms/m<sup>2</sup>)
- Factory coated with Nox-Crete™ release agent.
- FSC Certified - # SQS-COC-101086
  
- Sectional Properties (per m width)
  - Area ..... mm<sup>2</sup>\*10<sup>3</sup>
  - Section Modulus (z) 48 mm<sup>3</sup>\*10<sup>3</sup>
  - Second Moment of Area 404 mm<sup>4</sup>\*10<sup>3</sup>
  
- Bending Stress, as follows
  - Parallel to face grain 13.05 N/mm<sup>2</sup>
  - Perpendicular to face grain 4.7 N/mm<sup>2</sup>
  
- Modulus of Elasticity in bending, as follows
  - Parallel to face grain 10240 N/mm<sup>2</sup>
  - Perpendicular to face grain .... N/mm<sup>2</sup>
  
- Moment of Resistance (fz)
  - Parallel to face grain 0.626 kNm/m
  - Perpendicular to face grain .... kNm/m
  
- Bending Stiffness (EI)
  - Parallel to face grain 4.14 kNm<sup>2</sup>/m
  - Perpendicular to face grain .... kNm<sup>2</sup>/m
  
- Planar Shear Capacity (qA)
  - Parallel to face grain 7.00 kN/m
  - Perpendicular to face grain 3.92 kN/m

A table of allowable concrete pressures / span when used in soffit or general formwork design

Limiting Pressure (kN/m <sup>2</sup> )	Span (mm)					
	200	300	400	500	600	700
Criterion						
Bending Stress (fz)	125	56	31.3	20	13.9	10.2
Deflection (EI)	377	112	47	25.4	14	8.8
Planar Shear (qA)	70	43	31.1	24.3	20	17
Allowable Pressure	70	43	31.1	20	13.9	8.8

### Modification for dry stresses and moduli

Wet exposure condition (K36)

Bending stress K36 = 0.7

Youngs Modulus E K36 = 0.9

Duration of Load (K3)

Bending stress K3 = 1.4

(for soffit forms)