

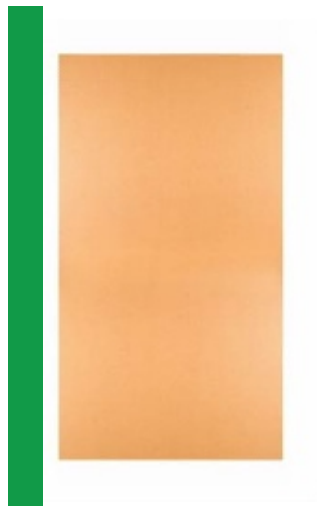
## Technical Specs

- Used in concrete forming, recommended for finished surfaces.
- Allows between 12 to 20 reuses (when reasonable care in use and handling is taken).
- Overlaid with 200 mgs/m<sup>2</sup> MDO paper.
- 35% phenolic resin Content

### TECHNICAL PROPOSAL FOR ITS USE

- Tulsa **MDO Concrete Forming Panels (323)** are edge sealed during manufacturing. If you have to cut during use, it is recommended that any fresh edges be re-sealed to avoid panel damage caused by capillary penetration of humidity.
- Use the appropriate remover (recommended chemical reactive releases for non porous surfaces).
- Although cleaning a Tulsa overlay panel is much easier and quicker than traditional form material, it is important to only use fibre spatulas and synthetic materials when cleaning form to prevent damages to the faces which might with metallic tools.
- Tulsa **MDO Concrete Forming Panels (323)** are very resistant to the abrasion and impact, as with any highly finished surface, care must be taken during cleaning and use to prevent damage. Always use the appropriate vibrators and techniques to protect the panels surface.

MDO for Concrete (323)



# MDO for Concrete (323)

## SIZES

### Thickness:

- 12 mm = 15 / 32"
- 15 mm = 19 / 32"
- 18 mm = 23 / 32"

### Dimensions:

- Width 1,22 mt = 4"
- Length 2,44 mt = 8"

## HUMIDITY

During manufacturing, panel humidity is controlled and stabilized to 8%.

## QUALITY CERTIFICATION

Tulsa MDO Concrete Forming (323) Panels are certified by the American company TECO and fulfill the standards set in American PS 1-95 norm.

## ADHESIVES

Tulsa MDO Concrete Forming (323) Panels are produced using phenolic resins with low polluting emission in accordance to European E-1 norm.



## Recommended maximum Pressures (KN/m<sup>2</sup>)

| Span<br>(mm) | 18 mm |       |
|--------------|-------|-------|
|              | L/270 | L/360 |
| 100          | 192   | 192   |
| 200          | 74    | 74    |
| 300          | 33    | 33    |
| 400          | 19    | 17    |
| 500          | 13    | 10    |
| 600          | 7     | 5     |

\* Face grain perpendicular to supports

### Section modul (z)

56 cm<sup>3</sup>/m

### Bending stress

parallel

7.4 N/mm<sup>2</sup>

perpendicular

6.07 N/mm<sup>2</sup>

### Modulus of elasticity in bending

Parallel

6958.6 N/mm<sup>2</sup>

Perpendicular

3991.2 N/mm<sup>2</sup>

### Moment of resistance

Parallel to face grain

0.575 kNm/m

Perpendicular to face grain

### Bending Stiffness

Parallel to face grain

3.34 kNm<sup>2</sup>/m

Perpendicular to face grain

### Planar shear capacity

Parallel to face grain

12.2 kN/m

Perpendicular to face grain