Technical Specs

- Designed to achieve concrete forming that results in exceptional surface finishes.
- Allows between 30 to 50 reuses (when reasonable care in use and handling is taken).
- Its faces have 130 gms/m2 phenolic film overlay + 205 mgs/m2 MDO film overlay, with a total of 335 mgs/m2 providing a high quality that assures water resistance and stiffness stability.
- 64% Phenolic resin in overlay film and 2% in MDO.
- Also the optional of Non – Slip Film.

TECHNICAL PROPOSAL FOR ITS USE

- Tulsa Premium Film overlay are edge sealed during manufacturing. If you to cut during used, it is recommended that fresh edges be re-sealed to avoid panel damage caused by capillary penetration of humidity.
- Use the appropriate form remover (same as recommended, chemical reactive releases form non porous surfaces).
- Although cleaning a Tulsa Overlay Panel is much easier and quicker than traditional form materials, it is important to only use fiber spatulas and synthetic materials when cleaning forms to prevent damage to the faces which might occur with metallic tools.
- Although Tulsa Premium Overlay panels 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 panel's surface.

Premium Film

Premium Film

Veneer & Plywood
TULSA
Tulipas & Contrachapados

GRAPHIC

Physical - Mechanical Properties

Thickness	Nº Piles	Nº Panels Bundle	Weigth Panel / kg	Grs / cm3 Density	MOR Kg / cm2		MOE Kg / cm2	
12 mm - 15/32"	5	80	20,50	576	1326.8	1429,2	308391	464493
15 mm - 19/32"	5	65	24,60	553	1043.7	1353,9	239378	382902
18 mm - 23/32"	7	54	30,95	579	2700.2	1570,2	621889	393663

Physical Test and Surface Resistance

Analysis	Norm	Tulsa Premium Film
Abrasion Index Taber I.A.T.	ASTM 4060	1000 cyclos = 17,5mgr.
Abrasion Index Taber I.A.T.	Until appearing substratum	3503 cyclos = 352,1mgr.
Hardness Perzos	Din 53157	Oscillations = 297
Adherence to Traction	ASTM D 4541	Tear Film = 22,8Kggf/cm2

Recommended maximum Pressures (KN/m^2)

Span	18 mm	
(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^3/m

Bending stress
parallel 7.4 N/mm^2
perpendicular 6.07 N/mm^2

Modulus of elasticity in bending
Parallel 6958.6 N/mm^2
Perpendicular 3991.2 N/mm^2

Moment of resístance
Parallel to face grain 0.575 kNm/m
Perpendicular to face grain

Bending Stiffness
Parallel to face grain 3.34 kNm^2/m
Perpendicular to face grain

Planar shear capacity
Parallel to face grain 12.2 kN/m
Perpendicular to face grain