

NON SLIP -FILM



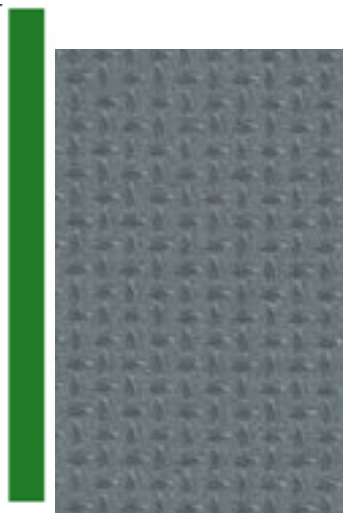
Technical Specs

- Its faces have two 120 grs/m² phenolic film with a resin content 65% covered by a mesh.
- The main face is marked by the mesh with 240 grs/m² phenolic film.
- The back has 120 grs/m² phenolic film laminate backer.

TECHNICAL PROPOSAL FOR ITS USE

- These panel are uses extensively in the manufacture an repair of vehicles, the installation of stagins and disabled ramps. There are uses for any application where a surface is required to be slip-resistant.
- If these non- slip film panels are cut to size, any newly edges must be fully resealed using a suitable exterior paint, in order to alow the boards opportunity to offer the longest service time possible.
- Color face and back are black.

Non- Silp Film



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SIZES

THICKNESS:

- 12 mm = 15 / 32"
- 15 mm = 19 / 32"
- 18 mm = 23 / 32"
- 21 mm = 27 / 32 "

DIMENSIONS

- Width 1,220 m = 4'
- Length 2,440 m = 8'
- Width 1,250 m = 4 3/32 '
- Length 2,500 m = 8 13/64 '

HUMIDITY

During manufacturing, panel humidity is controlled and stabilized between 8% to 12%:

QUALITY CERTIFICATION

Tulsa **Premium Overlay Panel** are certificated by the American company **TECO** and fulfill the standards set in the American **PS 1-09**.

The controls of the board production process of Tulsa Standard Film are certificated under the standards of the **European Community ENE 13986:2004** .

ADHESIVES

Tulsa **Premium Overlay Panel** are produced using phenolic resins with low polluting emission in accordance to European **E-1** norm.

FSC

Tulsa boards are certified for Chain of Custody **FSC Mix**, registration code SA - COC - 002117. This certification must be requested at the time of quotation.

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Panel Tolerances

Lenght	0 ; - 1,6 mm (1/16")
Width	0 ; -1,6 mm (1/16")
Squareness	Diagonals on 4' x 8' panel must be within 1/8" (3,2 mm)
Straightness	Saw cuts must be straight within 1/16" (1,6 mm)
Thickness 9 to 18 mm	+ / - 0,4 mm
Thickness 21 mm	+ / - 3%

TECO PS 1-09 Norm

General Information

Thickness	Nº plies	Nº panels/bundle	Weight Panel Kg	Density Kg/m ³ (1)	Make up of product	Type of facing material
12 mm - 15/32"	5	80	19,6	550	Radiata Pine Veneers	Radiata Pine Veneers
15 mm - 19/32"	5	65	22,9	515		
18 mm - 23/32"	7	54	29,1	543		
21 mm - 27/32"	7	46	34,2	547		

1) Data obtained from TULSA panels made by TECO USA 2006. Density tolerance + / - 10%.

Physical - Mechanical Properties

Thickness	Bending Stiffness MOR II kN · m ² /m (2)	Bending Strength MOE II kN · m/m (2)	Shear Through Thickness Strength kN/m (2)	Planar Shear Strength kN/m (2)
12 mm - 15/32"	1,22	0,313	33,3	7,7
15 mm - 19/32"	2,17	0,463	43,8	10,1
18 mm - 23-32"	3,34	0,575	44,7	12,2
21 mm - 27/32"	3,67	0,612	45,5	12,6

2) Data are touchstones of American Standard PS 1 -09 to TECO GROUP 1

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Physical - Mechanical Properties

Thickness	MOR II N/mm ²	MOR _⊥ N/mm ²	MOE II N/mm ²	MOE _⊥ N/mm ²
12 mm - 15/32"	60	23	5.000	1.500
15 mm - 19/32"	38	23	4.000	2.000
18 mm - 23/32"	38	23	5.000	2.000
21 mm - 27/32"	30	10	4.000	2.000

Source: Resistance values were obtained using the European standard EN 310.

MOR: Modulus of bending strength.

MOE: Modulus of elasticity (Bending stiffness)

Allowable live loads / Spacing of supports center to center

