

NON SLIP -FILM



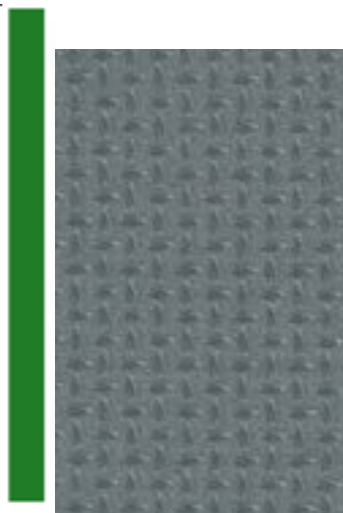
Technical Specs

- 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 Propierties | | | | |
|-----------------------------------|-----------------------------|---------------------------------------|-----------------------------|---------------------------------------|
| 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 strenght.

MOE: Modulus os elasticiy (Bending stiffness)

