

## FILM FACED PLYWOOD

CE EUTR FSC F17 ISO9001 CARB ISO14001 F☆☆☆☆



**Size(mm)** : 915x1830 / 1200x2400 /

1220x2440 / 1250x2500 / 1500x2500 /

1500x3000

**Thickness(mm)** : 6.5 / 9 / 12 / 15 / 18 /

20 / 21 / 24 / 27 / 30 / 35

**Length&width tolerance** : +/-2mm

**Number of layers** : from 5 up to 21

depending on thickness

**Core** : Poplar , Hardwood , Birch , Pine ,

Combi

**Water resistance** : WBP(weather and  
water-proof)

| Inspected unit                   | SHANDONG XINGANG GROUP                                                                                                                                                 |       |                       |                        |            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------|------------------------|------------|
| Product name                     | Film faced plywood                                                                                                                                                     |       | No.of layers          | 11                     |            |
| Product size                     | 2440×1220×18mm                                                                                                                                                         |       | Wood species          | Eucalyptus             |            |
| Testing date                     | 31th Mar,2021                                                                                                                                                          |       | Standard              | GB/T17656-2008         |            |
| Glue                             | Phenolic                                                                                                                                                               |       | Sample size           | mm:600×1200×18 2pcs    |            |
| Testing item                     |                                                                                                                                                                        | Unit  | Normal value required | Tested value           | Conclusion |
| Moisture content                 |                                                                                                                                                                        | %     | 2023/6/14             | 7.5                    | PASS       |
| Density                          |                                                                                                                                                                        | Kg/m3 | 580-620               | 605                    | PASS       |
| Bonding quality                  | Mear shear strength(FV)                                                                                                                                                | N/mm2 | ≥0.70                 | Xmax:1.71<br>Xmin:1.06 | PASS       |
|                                  | Mean apparent percentage wood failure(W)                                                                                                                               | %     | /                     | 70                     |            |
| Bending strength                 | Longitudinal grain                                                                                                                                                     | N/mm2 | ≥35                   | 70.12                  | PASS       |
|                                  | Cross grain                                                                                                                                                            | N/mm2 | ≥25                   | 45.84                  | PASS       |
| Modulus of elasticity in bending | Longitudinal grain                                                                                                                                                     | N/mm2 | ≥5000                 | 7250                   | PASS       |
|                                  | Cross grain                                                                                                                                                            | N/mm2 | ≥4000                 | 5270                   | PASS       |
| remarks                          | Moisture content (specimen dimension:50mm×50mm×18mm; number: 6)                                                                                                        |       |                       |                        |            |
|                                  | density(specimen dimension:50mm×50mm×18mm; number: 6)                                                                                                                  |       |                       |                        |            |
|                                  | Bonding quality(specimen dimension: 100mm×25mm×18mm; 10 test pieces per glueline)                                                                                      |       |                       |                        |            |
|                                  | Bending strength and Modulus of elasticity in bending<br>(specimen dimension: 300mm×50mm×18mm; number: 6 with Longitudinal grain fibers and 6 with Cross grain fibers) |       |                       |                        |            |

**Tested Item Type: full hardwood film faced plywood 18mm.**

| Sr No. | Property                      |                                                                                | Unit  | Test Method | Value of Test           | Result    |
|--------|-------------------------------|--------------------------------------------------------------------------------|-------|-------------|-------------------------|-----------|
| 1.     | Moisture Content              |                                                                                | %     | EN 322      | 7.8                     | Check out |
| 2.     | Density                       |                                                                                | kg/m³ | EN 323      | 635                     | Check out |
| 3.     | Bonding Quality               | Bonding Quality                                                                | Mpa   | EN 314      | Max: 1.68<br>Min : 0.81 | Check out |
|        |                               | Damage Rate                                                                    | %     | ——          | 85%                     |           |
| 4.     | Bending Modulus of Elasticity | Longitudinal                                                                   | Mpa   | EN 310      | 6830                    | Check out |
|        |                               | Lateral                                                                        |       |             | 6090                    |           |
| 5.     | Bending Strength<br>N/mm      | Longitudinal                                                                   | Mpa   |             | 59                      | Check out |
|        |                               | Lateral                                                                        |       |             | 43.9                    |           |
| 6.     | Cycle Life                    | About 15-25 Repeated Using Times According to Projects by Formwork Application |       |             |                         |           |

**Tested Item Type: full poplar film faced plywood 18mm.**

| Sr No. | Property                      | Unit                                                                          | Test Method | Value of Test | Result                                   |           |
|--------|-------------------------------|-------------------------------------------------------------------------------|-------------|---------------|------------------------------------------|-----------|
| 1.     | Moisture Content              | %                                                                             | EN 322      | 8.4           | Check out                                |           |
| 2.     | Density                       | kg/m³                                                                         | EN 323      | 530           | Check out                                |           |
| 3.     | Bonding Quality               | Bonding Quality                                                               | Mpa         | EN 314        | Max: 1.40<br>Min : 0.70<br><br>Check out |           |
|        |                               | Damage Rate                                                                   | %           | ——            |                                          | 74%       |
| 4.     | Bending Modulus of Elasticity | Longitudinal                                                                  | Mpa         | EN 310        | 5215                                     | Check out |
|        |                               | Lateral                                                                       |             |               | 4796                                     |           |
| 5.     | Bending Strength<br><br>N/mm  | Longitudinal                                                                  | Mpa         |               | 52.74                                    | Check out |
|        |                               | Lateral                                                                       |             |               | 43.55                                    |           |
| 6.     | Cycle Life                    | About 8-15 Repeated Using Times According to Projects by Formwork Application |             |               |                                          |           |

**Tested Item Type: full birch film faced plywood 18mm.**

| Sr No. | Property                      | Unit                                                                           | Test Method | Value of Test | Result                  |           |
|--------|-------------------------------|--------------------------------------------------------------------------------|-------------|---------------|-------------------------|-----------|
| 1.     | Moisture Content              | %                                                                              | EN 322      | 8.1           | Check out               |           |
| 2.     | Density                       | kg/m³                                                                          | EN 323      | 690           | Check out               |           |
| 3.     | Bonding Quality               | Bonding Quality                                                                | Mpa         | EN 314        | Max: 1.85<br>Min : 0.99 | Check out |
|        |                               | Damage Rate                                                                    | %           | ——            | 94%                     |           |
| 4.     | Bending Modulus of Elasticity | Longitudinal                                                                   | Mpa         | EN 310        | 9610                    | Check out |
|        |                               | Lateral                                                                        |             |               | 7360                    |           |
| 5.     | Bending Strength<br>N/mm      | Longitudinal                                                                   | Mpa         |               | 79                      | Check out |
|        |                               | Lateral                                                                        |             |               | 77.3                    |           |
| 6.     | Cycle Life                    | About 30-50 Repeated Using Times According to Projects by Formwork Application |             |               |                         |           |

COLOR OF SURFACE/FILM:BLACK FILM,BROWN FILM,GREEN PLASTIC FILM





**HARDWOOD**

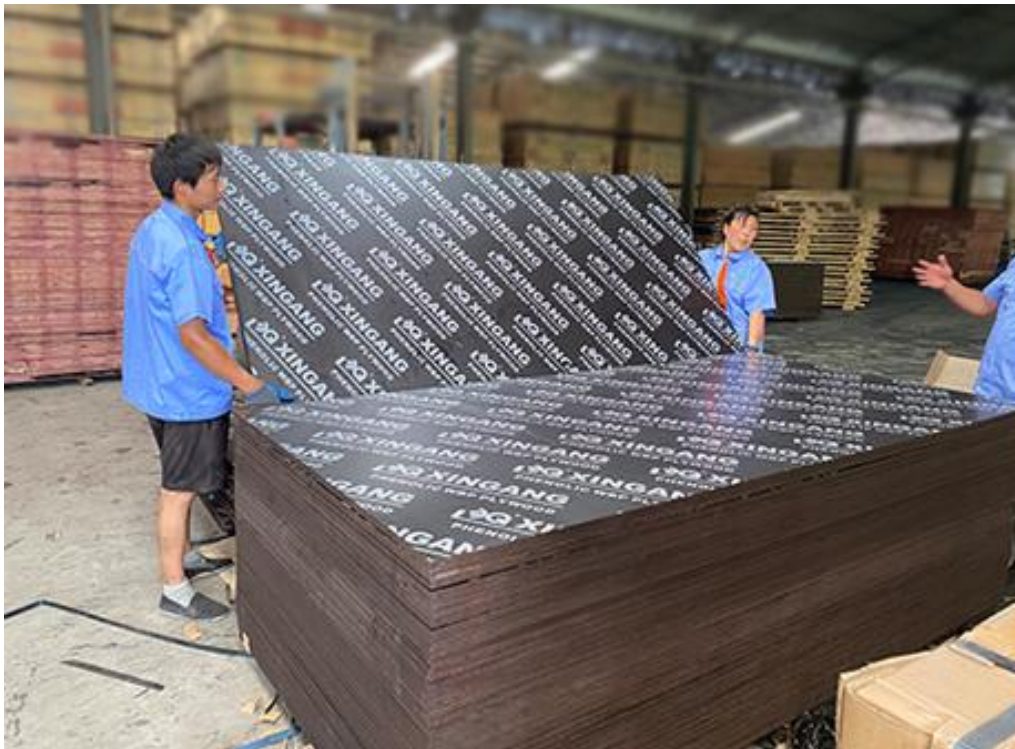
**POPLAR**

**COMBI**

**BIRCH**

## ◆ Quality control:

We have 16 QC teams to inspection such as moisture control, glue inspection both before pro-duction and after production, material grade selection, pressing checking, and thickness che-cking. Our aim is to supply high quality product with reasonable price.



## MORE PRODUCTS

### ◆ Finger-Jointed Film Faced Plywood

SIZE(MM):915X1830,1220X2440,1500X2500,1200X2400,1250X2500,1500X3000

THICKNESS(MM):9,12,15,18,20,21,24,27,30,35



## ◆ PP、PVC Plywood

SIZE(MM):915X1830,1220X2440,1500X2500,1200X2400,1250X2500,1500X3000

green pvc film / blue pvc film / yellow pvc film





## ◆ Anti-slip film faced plywood

COLOR OF SURFACE/FILM:BLACK FILM,BROWN FILM,GREEN PLASTIC FILM

GLUE:WBP MELAMINE,WBP PHENOLIC

CORE : BIRCH,POPLAR,HARDWOOD,PINE,COMBI





## Plastic Plywood PP,PVC Plywood



