

## Technical requirements DoP

WWT produkt navn

### Østen Film/Film, Poppel

**Product** Chinese Poplar Plywood  
Film faced smooth

**Quality** Standard Grade

**Use** Concrete forming. Not recommended  
for visuel concrete forming

#### General characteristics

##### **Plywood composition**

**Face** Choice III repaired (EN 635-3 or EN 635-4)  
**Core** Poplar  
**Back-Face** Choice III repaired (EN 635-3 or EN 635-4)

##### **HAZARD CLASS**

**Formaldehyde emission (EN 717-2)**

Humid condition / EN 636-2  
E2

**CVO Emission**

N/A

**REACH Chemical component**

N/A

**Face Quality**

Phenolic film Brown 120gr/m<sup>2</sup>

**Back Face Quality**

Phenolic film Brown 120gr/m<sup>2</sup>

**Pulling Strenght of the Film**

> 1 N/mm<sup>2</sup>

**Soda test on the film**

No colour change / no bubbling / no delamination / no wrinkling

**Edge treatment**

Glue impregnation + Acrylic paint - Brown/Green

**Format (in mm)**

2500x1250

**Number of reusing for concret forming**

Up to 2 times

**Thickness and number of plies**

| Thickness (mm) | Number of plies |
|----------------|-----------------|
| 8 / 9          | 7               |
| 12             | 9               |
| 15             | 11              |
| 18             | 13              |
| 21             | 15              |

**Moisture component (EN - 322)**

10% == +/- 2%

**Density**

> 450 kg/m<sup>3</sup>

**CE Marking - EN 13986**

Yes - CE 4

**Structural use**

Yes - for concrete forming

**FLEGT or proof of legality**

Yes

**Ecocertification**

---

#### Tolerance

| Thickness (mm) (EN - 324) | Minimum | Maximum |
|---------------------------|---------|---------|
| 9                         | 8,33    | 9,47    |
| 12                        | 11,2    | 12,5    |
| 15                        | 14,15   | 15,65   |
| 18                        | 17,06   | 18,74   |
| 21                        | 19,97   | 21,83   |

**Width (EN - 315)**

+/- 3.5 mm

**Length (EN - 315)**

+/- 3.5 mm

**Squarness (EN - 315)**

1mm/m

**Edge deviation (EN - 315)**

1mm/m

#### Mecanical resistance EN-789

| Thickness | MOE (N/mm <sup>2</sup> ) |      |
|-----------|--------------------------|------|
|           | //                       | ⊥    |
| 9         | 5900                     | 4500 |
| 12        | 5900                     | 4500 |
| 15        | 6400                     | 4800 |
| 18        | 6000                     | 4600 |
| 21        | 6000                     | 4500 |

#### Other characteristic

**Fire resistance EN 13986**

D-s2 , d0

**Thermic conductivity EN 13986**

0.12 (W/(m.K))

**Accoustic absorbtion EN 13986**

de 250 à 500 Hz  
de 1000 à 2000 Hz

0,1  
0,3