



## 280P | Technical Data Sheet

### Medium Density Overlay (MDO)

#### *280P Paint Grade Backer*

##### **Description -**

Paneltech's 280P Paint Grade MDO is a light weight overlay saturated with phenolic resin. When applied to a panel, 280P is a light duty masking overlay or backer sheet with enhanced paint adhesion characteristics for plywood, OSB, particleboard, MDF and a variety of composites.

As with other Paneltech MDO products, 280P has a proprietary glue line formulation that gives it strong adhesive properties when bonding to all commonly used substrates.

Optional dot matrix printing can add an appropriate identifier to be used as a backer where differentiating between the front and back faces of the panel is important.

##### **Features -**

- ✓ Smooth, paintable surface with good paint adhesion
- ✓ Hardened surface with increased abrasion resistance
- ✓ Optional surface printing for face differentiation
- ✓ Quality controlled continuously by online weight and volatile sensors calibrated hourly
- ✓ Each sheet visually inspected

##### **Specifications -**

Base Paper: 99 lb/3000 sf Natural Saturating Kraft  
Resin Content: 28%  $\pm$  1.5%  
Weight: 156 gsm / 270 gsm  
Caliper Thickness: 0.34mm (0.014 in.) (Before pressing)  
Glueline Weight: 65 gsm  $\pm$  5 gsm  
Color: Natural Kraft



Technical Data Sheet (continued)

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Laminating Recommendations -

For best results, 280P MDO should be applied over a smooth face, free of particulate and debris. Press cycles will vary dependent upon the species and thickness of wood, one or two step process and press temperature. Please consult the appropriate overlay press chart in this binder for actual time and temperature recommendations. Thinner panels may require a lightweight backer/ MDO to help balance and add stability. The panel edge should be sealed for exterior applications.

Applications -

- Signs
- Siding
- Color accent panels
- Gable ends
- Garage doors
- Marine bulkheads, decks, cabins, hatch covers
- Chimney enclosures
- Fruit and vegetable bins
- Other applications requiring a paintable surface with good moisture resistance
- Transportation side walls
- Cabinets and built-ins
- Privacy screens
- Cupolas
- Farm buildings, farm equipment
- Fertilizer bins
- Soffits and fascia
- Painted exterior surfaces

Packaging -

Sheet Dimensions in (cm)	50 in (127cm) x 99 in (252cm)	50 in (127cm) x 124 in (315cm)
(Sheet width, length and sheets per unit are adjustable)		
Sheets Per Unit	1000	1000
Total Area Measure sf (sm)	34,375 sf (3195 sm)	27,986 sf (2601 sm)
Gross Weight Web (kg)	2275 lbs (1032 kg)	2500 lbs (930 kg)

Storage Recommendations -

Recommended storage conditions are 70°F (21°C) or less in a dry location with the original packaging intact. High temperature and humidity will lead to blocking. Open rolls or pallets should be repackaged in the polyethylene material provided or equivalent. Under these conditions, the expected shelf life is 6 to 12 months.