



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)****Medium Density Overlay (MDO)***280P Paint Grade***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. Use a minimum press temperature of 275°F (135°C) at 175 psi (12.33 kg/cm²) and a press cycle of 5 to 7.5 minutes. 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	Transportation side walls
Siding	Cabinets and built-ins
Color accent panels	Privacy screens
Gable ends	Cupolas
Garage doors	Farm buildings, farm equipment
Marine bulkheads, decks, cabins, hatch covers	Fertilizer bins
Chimney enclosures	Soffits and fascia
Fruit and vegetable bins	Painted exterior surfaces
Other applications requiring a paintable surface with good moisture resistance	

Packaging -

Sheet Dimensions in (cm)	50 in (127cm) x 99 in (252cm)	50 in (127cm) x 124 in (315cm)
Options	(Sheet Length, Sheet Width, Sheets per Unit Adjustable)	(Sheet Length, Sheet Width, Sheets per Unit 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)	2514 Web (1142 kg)	2043 Web (929 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.