



360P | Technical Data Sheet

Medium Density Overlay (MDO)

360P Paint Grade

Description -

Paneltech's 360P Paint Grade MDO is a premium paintable overlay designed specifically to provide the ultimate in surface smoothness over a hardwood face. 360P is designed for applications that require an ultra-smooth surface, for use with hardwood veneers or sanded surfaces. The overlay is saturated with petroleum-free phenolic resins derived from organic materials. When applied to a panel, 360P provides a smooth, high-masking overlay with enhanced paint adhesion characteristics for plywood, OSB, particleboard, MDF and a variety of composites. It also has good machineability for decorative applications.

As with other Paneltech MDO products, 360P has a proprietary glue line formulation that gives it strong adhesive properties when bonding to all commonly used substrates. MDO 360P exceeds the requirements of the PS 1-07 Voluntary Product Standard.

Features -

- ✓ Paintable surface with enhanced surface smoothness
- ✓ Good machineability
- ✓ Masks panel grain pattern
- ✓ Quality controlled continuously by online weight and volatile sensors calibrated hourly
- ✓ Each sheet visually inspected

Specifications -

Base Paper: 132 Web Saturating Kraft (200 gsm bone dry weight)
Resin Content: 28% ± 1.5%
Weight: 215 gsm / 341 gsm
Caliper Thickness: 0.45mm (0.018 in.) (Before pressing)
Glueline Weight: 65 gsm ± 5 gsm
Color: Natural Kraft



Technical Data Sheet (continued)

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Laminating Recommendations -

For best results, 360P 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	650
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.