



UniCoat | Technical Data Sheet

Pre-primed Medium Density Overlay (MDO)

365 PP

Description -

Paneltech's UniCoat Paint Grade MDO is a pre-primed paintable overlay designed specifically to provide the ultimate in surface smoothness over a wood veneer face. UniCoat is designed for applications that require a primed paintable surface. It works well with either hardwood veneers or sanded surfaces. When applied to a panel, UniCoat 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 machinability for decorative applications.

As with other Paneltech MDO products, **UniCoat** has a proprietary glue line formulation that gives it strong adhesive properties when bonding to all commonly used substrates. MDO **UniCoat** exceeds the requirements of the PS1-19 Voluntary Product Standard.

Features -

- ✓ Pre-primed painted surface with enhanced surface smoothness
- ✓ Good machinability
- ✓ Available in white

Specifications

Base Paper: 132 Web Saturating Kraft (200 gsm bone dry weight)
Resin Content: 28% \pm 1.5%
Weight: 215 gsm /347 gsm
Caliper Thickness: 0.45mm (0.018 in.) (Before pressing)
Coating Thickness: 0.49 mm (0.0193 in.)
Glueline Weight: 65 gsm \pm 5 gsm
Color White/Natural Kraft



Technical Data Sheet (Continued)

Medium Density Overlay (MDO)

UniCoat Paint Grade

Laminating Recommendations -

For best results, **UniCoat** 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,
Marine bulkheads, decks, cabins, hatch covers	Farm equipment
Chimney enclosures	Soffits and fascia

Packaging –

<i>Sheet Dimensions in (cm)</i>	50 in (127cm) x 99 in (252cm)	50 in (127cm) x 124 in (315cm)
<i>(Sheet width, length and sheets per unit are adjustable)</i>		
<i>Sheets Per Unit</i>	1000	650
<i>Total Area Measure sf (sm)</i>	34,375 sf (3195 sm)	27,986 sf (2601 sm)
<i>Gross Weight Web (kg)</i>	3050 lbs (1383 kg)	2850 lbs (1292 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.