



305C | Technical Data Sheet

Light Weight Medium Density Conform Overlay

305C Concrete Grade

Description -

Paneltech's 305 Conform MDO is a specialty overlay saturated with phenolic resin. It has high-masking properties and is designed for use as a light-duty concrete form overlay. It gives a matte finish to concrete and is treated to release easily from forms when coated with the appropriate form oil. 305C enables manufacturers to design a durable alternative to BB concrete forms by offering MDO-type performance at a lower cost.

As with other Paneltech MDO products, 305C has a proprietary glueline formulation that gives it strong adhesive properties when bonding to all commonly used wood substrates.

Features -

- ✓ Hard, abrasion-resistant surface
- ✓ Masks grain pattern and panel defects
- ✓ Increases alkalinity resistance of concrete form
- ✓ Quality controlled continuously by online weight and volatile sensors calibrated hourly
- ✓ Each sheet visually inspected

Specifications -

Resin Content: 35% \pm 1.5%
Weight: 150 gsm / 282 gsm
Caliper Thickness: 0.34mm (0.014 in.) (Before pressing)
Glueline Weight: 65 gsm \pm 5 gsm
Color: Natural Kraft

**Technical Data Sheet (continued)****Light Weight Medium Density Conform Overlay***305C Concrete Grade***Laminating Recommendations:**

For best results, 305C 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 285°F (140°C) at 175 psi (12.33 kg/cm²) and a press cycle of 5 minutes. Thinner panels may require a lightweight backer/MDO to help balance and add stability. Panel edges should be sealed for exterior applications. Application of form oil to the finished panel will give a top quality, ready-to-use concrete form element.

Applications:

Concrete Form – Matte surface
Light Duty Concrete Form

Packaging -

Sheet Dimensions in (cm)	50 in (127cm) x 99 in (252cm)	50 in (127cm) x 124 in (315cm)
Options	(Sheet Length Variable)	(Sheet Length Variable)
Sheets Per Unit	1200	1200
Total Area Measure sf (sm)	34,375 sf (3195 sm)	43,055 sf (4002 sm)
Gross Weight lb (kg)	2080 lb (945 kg)	2485 lb (1130 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 9 months.