



## 389C | Technical Data Sheet

### Medium Density Overlay (MDO)

*389C Concrete Grade*

#### **Description -**

Paneltech's Conform MDO is a specialty overlay saturated with phenolic resin. It has high-masking properties and is designed to be used as a concrete form overlay. It gives a smooth matte finish to concrete and is treated to release easily from forms when coated with the appropriate form oil.

As with other Paneltech MDO products, 389C has a proprietary glue line formulation that gives it strong adhesive properties when bonding to all commonly used substrates. 389C is APA certified, and has undergone extensive field testing. MDO 389C exceeds the requirements of the PS 1-07 Voluntary Product Standard.

#### **Features -**

- ✓ Hard, abrasion-resistant surface
- ✓ Masks panel defects
- ✓ Increases alkalinity resistance of concrete form
- ✓ 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: 35%  $\pm$  1.5%  
Weight: 215 gsm / 371 gsm  
Caliper Thickness: 0.45mm (0.018 in.) (Before pressing)  
Glueline Weight: 65 gsm  $\pm$  5 gsm  
Color: Natural Kraft

**Technical Data Sheet (continued)****Medium Density Overlay (MDO)***389C Concrete Grade***Laminating Recommendations -**

For best results, 389C 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 285°F (140°C) at 175 psi (12.33 kg/cm<sup>2</sup>) 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. Application of a reactive form oil to the finished panel will give a top quality, ready-to-use concrete form element.

**Applications -**

Concrete Form – Smooth matte surface  
HDO Cushion Sheet

**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)	2740 Web (1245 kg)	2230 Web (1014 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.