



# 396C | Technical Data Sheet

## Medium Density Overlay (MDO)

*396C Concrete Grade*

### Description -

Paneltech's 396C 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.

While it performs well as a concrete form MDO, similar to our 389, 396 has been designed specifically to be used as a cushion sheet under MDO or Alka-Max to improve the surface quality of the finished panel.

As with other Paneltech MDO products, 396C has a proprietary glue line formulation that gives it strong adhesive properties when bonding to all commonly used substrates. 396C has been APA certified, and has undergone extensive field testing. MDO 396C exceeds the requirements of the PS1-19 Voluntary Product Standard. In addition, MDO 396C has been chemically balanced to provide superior bonding properties as a cushion sheet for Alka-Max films as well as HDO 173C and 180C.

### 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% ± 1.5%  
Weight: 215 gsm / 371 gsm  
Caliper Thickness: 0.46 mm (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, 396C 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. Please consult the appropriate overlay press chart in this binder for actual time and temperature recommendations. 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. For best results, we recommend field applications of Nox-Crete Form Coating, Release Agent #10, Bio-Nox, Chembeton or a functionally equivalent form release.

**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)
(Sheet width, length and sheets per unit are 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)	2875 Web (1304 kg)	2575 Web (1168 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.