

389 C | Technical Data Sheet

Medium Density Overlay (MDO)

389C Concrete Grade

Description -

Paneltech's 389C 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.

The use of 389C can reduce the risk of the "first pour syndrome," which is characterized by darkened grain lines appearing on the first concrete pour.

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 PS1 –19 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% ± 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)

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. 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)	2750 Web (1247 kg)	2250 Web (1020 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.