



173 C | Technical Data Sheet

High Density Overlay (HDO)

173C Concrete Grade

Description -

Paneltech's 173C Conform HDO is a specialty overlay composed of a bleached kraft paper saturated with high levels of phenolic thermoset resin. Its high resin content gives a smooth surface ideally suited for use as a concrete forming surface. It gives a smooth surface finish to concrete suitable for architectural pours.

HDO 173C bonds well to an MDO cushion sheet as well as commonly used wood substrates. HDO 173C is fully APA certified for concrete forming and has undergone extensive field testing. 173C exceeds the requirements of the PS1-19 Voluntary Product Standard. Its unique internal release system reduces the residue buildup on press cauls typical of competitive products.

Features -

- ✓ Hard surface quality, highly resistant to alkalinity and abrasion from concrete
- ✓ Smooth architectural finish on concrete
- ✓ Quality controlled continuously by online weight and volatile sensors, calibrated hourly
- ✓ Minimal buildup on press cauls – extends the life of your press cauls
- ✓ Excellent performance in either 100/30 or 120/30 panels

Specifications -

Base Paper: 50 lb/3000 sf Bleached Saturating Kraft
Resin Content: 53% ± 1.5%
Weight: 81 gsm / 172 gsm
Caliper Thickness: 0.20mm (0.008 in.) (Before pressing)
Color: Light Yellow (multi-colored logo available on request)
Opacity: Medium



Technical Data Sheet (continued)

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Laminating Recommendations:

For best results 173C should be applied over substrates bonded with an exterior type glue resin. Panels should have a smooth, even surface with no low-pressure areas. One-step panels should have a moisture content of not more than 8%. Two-step panels should be evenly sanded with minimal caliper variation. Press cycles may vary dependent upon press temperature. When using mild steel press platens, release cauls are required between the press platens and panel overlay. To eliminate buildup and sticking, cauls as well as chrome or polished steel platens, should be used only with other compatible release systems. Please consult the appropriate overlay press chart in this binder for actual time and temperature recommendations. For improved check resistance, we recommend cooling after pressing. We recommend applying a quality release agent to the panel before each pour. Recommendations for 100/30 include Nox-Crete Form Coating, Release Agent #10, Bio-Nox, or a functionally equivalent form release. For 120/30 we recommend Nox-Crete Form Coating, Release Agent #10.

Applications:

- Concrete Form
Industrial Flooring
Transportation Flooring

Packaging

Table with 3 columns: Dimensions (50 in x 124 in), Sheets Per Unit (1000), Total Area Measure (34,375 sf), and Gross Weight (1450 lbs).

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.