



HONEYCOMB PANELS



CEL COMPONENTS

CEL Components Honeycomb Panels

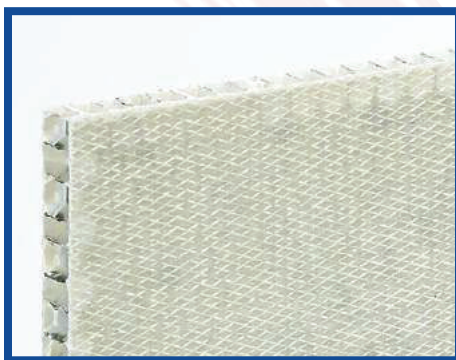
CEL COMPONENTS produces honeycomb composite sandwich panels which can be used as light-weight backer boards for thin porcelain or natural stone. These panels are available in a variety of configurations, with aluminum or fiberglass skins and even translucent panels for backlit applications.

Realize the power of lightness in your fabrication:

- Easier installation and handling
- Improved durability & stiffness
- Reduced breakage and rework
- Reduced material and labor costs

These characteristics make our products ideal for thin porcelain fabrication, marine applications, elevator panels, facades and exterior cladding, furniture, RV & rail, ceiling panels, and high end commercial interiors.

Chemical Concepts provides a complete system including panels, specially formulated, high performance epoxy resin, and mounting solutions.



ALUSTEP® 500

Aluminum honeycomb with fiberglass skins.



COMPOCEL® ALP

Aluminum honeycomb with aluminum skins.



CLEARSTEP

Translucent composite panel for backlighting.

Cel panels are available in a variety of thicknesses, sizes, materials to fit your requirements.

Laminating and Honeycomb Epoxy

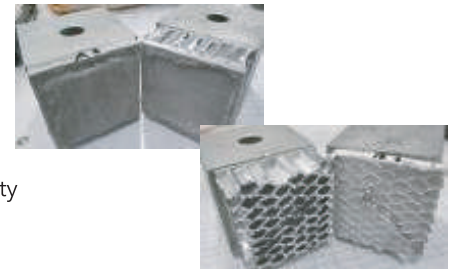
ARALDITE® 9102 Fire-Rated Honeycomb and Laminating Epoxy
Epoxy system for laminating natural and engineered stone to composites for production of lightweight stone panels. Great for commercial panels, elevators, air, rail, and bus panels.



Achieve high performance, thermal cycling resistance, and aging resistance with **ARALDITE® 9102** adhesive. Specially designed for higher-end panel bonding applications. Perfect for creating rigid structures when using composites and metal substrates.

Product benefits

- High Coverage
- Easy trowel-grade consistency
- Improved Flexural Strength
- Meets flame, smoke and toxicity requirements



Chem-Set™ Compbond 6102



Available in **1.5 Gallon Kit** and **3 Gallon Kit**
Convenient Pro Pail packaging for easy mix and measure

Compbond 6102 epoxy system for laminating natural and engineered stone to composites for production of lightweight stone panels. Great for commercial panels, elevators, air, rail, and bus panels.

Achieve high performance, thermal cycling resistance, and aging resistance with high coverage for cost savings compared to competitive products.

Product benefits

- High Coverage
- Easy trowel-grade consistency
- Improved Flexural Strength
- Meets flame, smoke and toxicity requirements

SKU: CCA-6102A/B

Chem-Set™ Compbond 638 Water-Clear Epoxy



Available in **3 Gallon Kit** (2 Gallon Part A, 1 Gallon Part B),
15 Gallon Kit (10 Gallon Part A, 5 Gallon Part B)

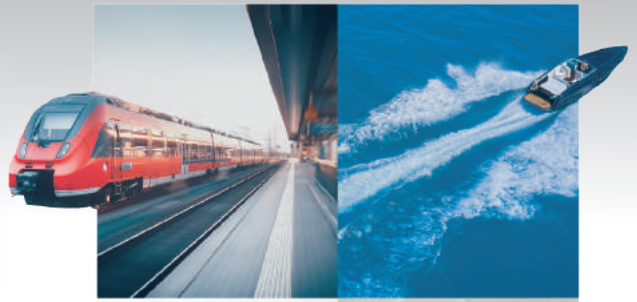
Compbond 638 is water-clear, polishable and, unlike polyester and acrylic adhesives, it will not shrink. With **Compbond 638** Clear, you'll never have to return to a job site to solve adhesive problems. It lays down a thin, tight bond line, and Bullnoses stay put. In addition it grabs, holds and sets, despite humidity or freeze/thaw conditions. You can shorten set time by applying heat. Tinting is also easy, because **Compbond 638** is a clear epoxy.

Applications

- Honeycomb Adhesive for Lamination to Stone
- Laminating stone to other construction materials
- Countertop Fabrication
- Excellent for rodding countertops
- Stone lamination
- Stone patching, mending, repairing, and bonding

SKU: CCA638A/B-03GK

Deform-Nut



Deform-Nut® TC/SC

Deform-Nut® TC/DM Honeycomb Anchoring System - (Metric Imperial and Internal Thread) is a patented threaded insert system that combines mechanical anchoring and structural adhesive to provide strong load-bearing threads in sandwich panel materials (with a honeycomb or composite internal structure).

3-STAGE SYSTEM



Deform-Nut® Insert - A special rivet nut style fastener which is riveted into the top skin of the panel using conventional rivet nut hand or air tooling



Structural Adhesive - Adhesive is then injected into the base of the rivet nut, which pots the insert in the honeycomb cavity



Deform-Nut® Grub Screw - A separate adjusting nut is then screwed into the Deform-Nut rivet nut until it bottoms out on the bottom skin, displacing the adhesive into the surrounding structure to increase load strength.



Goebel Deform-Nut® Battery Tool GO-RN1

SKU: SPE-DNINS-B-US

GO-RN1 Cordless blind rivet nut & bolt battery tool with brushless motor for rapid installation
Deform-nut Lithium Ion Battery Tool



- ED Light for better visibility of work area
- Control unit for optimum stroke setting + setting of the riveting mode (H/L)
- Slide-in battery (18V Li-ION 2,0 Ah / 36 Wh) with capacity indicator
- Protective housing of the underlying manual spindle unit
- Brushless motor with high durability
- Robust housing in ergonomic design w/ soft grip

Deform-Nut® TC/DM Rivet-Nut Tool

SKU: SPE-DNINS-M

The Chem-Set Deform Nut Insertion tool is used for the Deform-Nut.

- Easy installation of inserts
- Interchangeable mandrels for compatibility with a wide variety of rivet-nuts
- Economical tool for low production volume



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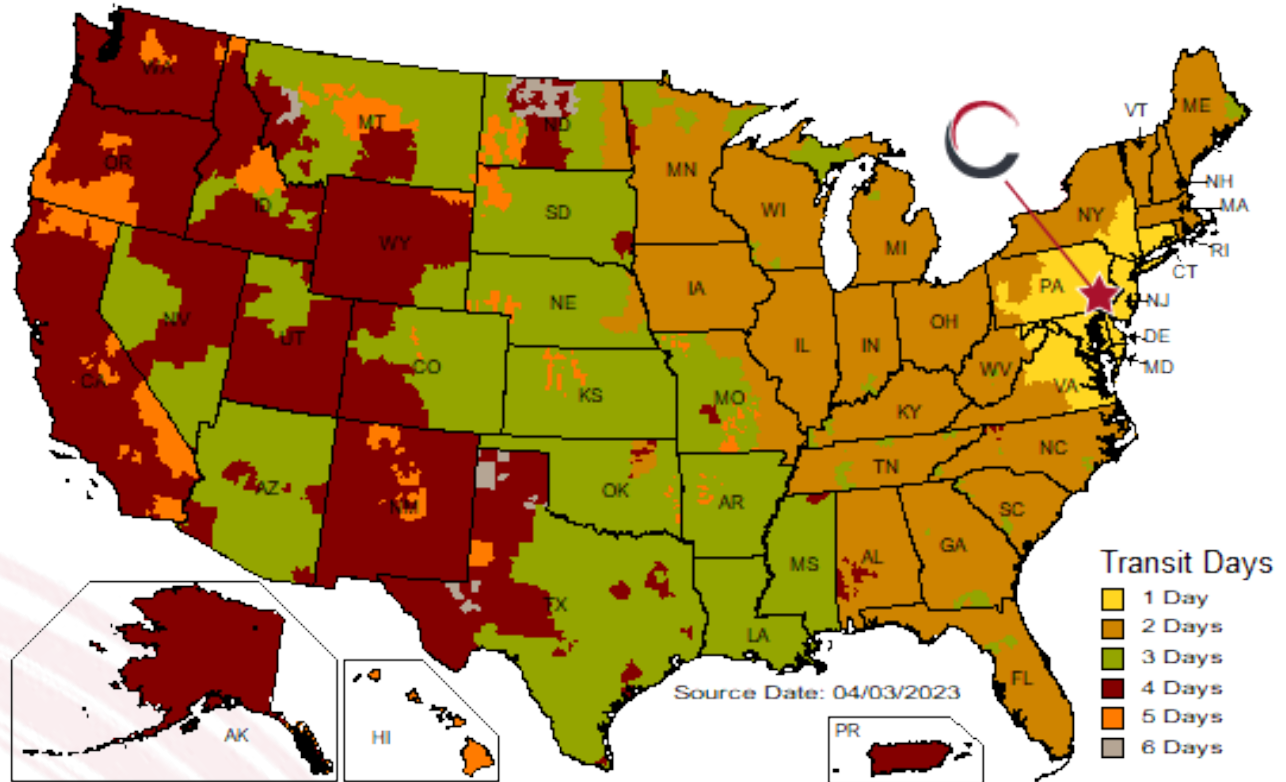
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