



# Structo-Crete™

Structural Concrete Panel

The **only** non-combustible structural cementitious panel.



USG Fortcrete is now Structo-Crete™  
Same great panel

STRUCTO-CRETE™ structural concrete panel is the only non-combustible structural cementitious panel both manufactured and available in the U.S.A. STRUCTO-CRETE structural concrete panels meet all of ICC Acceptance Criteria 318 including ASTM E136 for use in non-combustible Type I and Type II construction.

It is important to note that only STRUCTO-CRETE structural concrete panel meets the ASTM E136 requirements with no modifications. That is, we run the burn test for the full 30 minutes as required by ASTM.

## Product Performance

### Strong

STRUCTO-CRETE structural concrete panels provide the strength and durability of concrete — without the additional weight. The high-strength reinforced cement panels have a compressive strength of 2500 psi and a concentrated load of 400 lbs. static.

### Lightweight

Each ¾ in. thick, 4 ft. wide and 8 ft. long panel weighs 150 lbs. (4.7 psf). When fastened to metal framing, this lightweight assembly can significantly reduce design loads and thereby reduce overall building costs. When combined with cold-formed light steel framing, the lower weight of each floor may offer an opportunity to reduce the size of the structural members by up to 10% and the seismic design forces by as much as 20%.

### Dimensionally stable

The fiberglass-reinforced cementitious panel will not swell or delaminate in the presence of moisture. Tongue-and-groove edges will always fit together. Panels will not buckle or warp, even under changing temperature and moisture conditions.

### Fast installation

STRUCTO-CRETE structural concrete panels install like wood sheathing. They can be cut easily with a circular saw\* and fastened using self-drilling screws and a screw gun. The panels can be installed in most weather conditions (as job safety procedures permit) and immediately exposed to rain or snow. In addition, there is no need for an underlayment before adding carpet and pad or engineered wood.

**Note** \*Cut panels to size with a circular saw equipped with carbide-tipped blade and a dry dust collection device or a water-dispensing device that limits the amount of airborne dust. Dust can contain silica. Wear safety glasses and a NIOSH-approved N95 dust mask when cutting this panel.

### Excellent fire performance

STRUCTO-CRETE structural concrete panels meet the criteria in ASTM E136 for use in non-combustible Type I and Type II construction. One- and two-hour UL-listed fire-resistant designs for floor/ceiling assemblies meeting ASTM E119 criteria are available with these panels.

### Mold-resistant

STRUCTO-CRETE structural concrete panels are resistant to mold growth. Independent tests by a certified laboratory confirmed no mold growth, recording a rating of 0 (zero) as measured by ASTM G21 and a rating of 10 as measured by ASTM D3273.

### Green

Green building can create environmental, economic, health and community benefits. Our STRUCTO-CRETE structural concrete panels have a minimum 25% recycled content, are formaldehyde-free and resistant to mold and termites.

## Contact

For more information, contact Alex MacDonald, Architectural Services Manager, Performance Flooring & Specialty Products Division at [AMacDonald@usg.com](mailto:AMacDonald@usg.com) or call 817-584-4714.

## Accept no modifications. STRUCTO-CRETE.

### Product Information

See [usg.com](http://usg.com) for the most up-to-date product information.

### Trademarks

The following trademarks used herein are owned by United States Gypsum Company or a related

company: STRUCTO-CRETE, USG, USG in stylized letters.

### Notice

We shall not be liable for incidental or consequential damages, directly or indirectly sustained, nor for any loss caused by application of these

goods not in accordance with current printed instruction or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within

thirty (30) days from date it was or reasonably should have been discovered.

### Safety First!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.



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