

Structo-Crete™ Structural Concrete Panel

Good Design Practices

1. STRUCTO-CRETE™ structural concrete panel layout and replacement:

When laying out the placement of panels on the floor frame, the first row width should be set to insure that the last row width is 24 in. wide minimum. Also, the length of the beginning and ending panels must span at least three joists.

When replacing a damaged panel the same rules apply.

Do not install panels that are less than 24 in. wide. The minimum length of panels is controlled by the joist spacing. On framing 16 in. o.c., the minimum length is 32 in. and on 24 in. o.c. framing, the minimum length is 48 in.

2. Application of finished flooring:

Do not install any finished flooring materials over STRUCTO-CRETE panels that are wet or frozen. Remove all dust from the panels with a vacuum prior to installing the finished floor.

Panels should be allowed to acclimate to in service conditions for a minimum of 48 hours.

Ceramic tile, sheet vinyl and vct applied to STRUCTO-CRETE panels should be applied over a tile underlayment, crack isolation membrane or LEVELROCK® floor underlayment. Do not apply directly to the STRUCTO-CRETE structural concrete panels.

Engineered wood floors as well as carpet and pad may be installed directly over STRUCTO-CRETE panels.

Note In low traffic areas STRUCTO-CRETE does not require a floor covering for a finished floor. When no floor covering is used, USG recommends that the STRUCTO-CRETE panel be sealed with an acrylic concrete sealer to protect the surface. Acrylic concrete sealers are made by many manufacturers including Valspar and Sherwin-Williams®.

3. Precautions in unloading and handling pallets of STRUCTO-CRETE structural concrete panels:

Pallets of STRUCTO-CRETE structural concrete panels weigh over 3000 lbs. and must be unloaded properly from the delivery truck to avoid damage to the panels (especially the tongue and groove edges). It is recommended that a fork lift be used to unload the pallets.

Pallets should be stacked in a level location and no more than four pallets high to prevent toppling of the units.

When a crane is used to unload the units from the truck or to lift units (or partial units) from the ground to the desired application location—in addition to all the normal safety precautions used for crane operations—it is recommended to use spreader bars with lifting hooks to minimize bending of the pallets and damage to the tongue and groove edges.

Product Information

See 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: LEVELROCK, 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.

