

PRO-CAST GFRC MIX FOR COUNTERTOP, TABLE MOLDS AND MORE

DESCRIPTION AND BASIC USE: Proline **Pro-Cast** is a Glass Fiber Reinforced Concrete (GFRC) mix designed for creating thin, lightweight, and ultra high strength countertops, tables, benches and other pre-cast shapes and designs.

TYPICAL APPLICATIONS: Pre-cast countertops, tables, benches, etc...

COVERAGE: 50 LB. pail covers approximately 9 square feet at ½" thick or 4.5 square feet at 1" thick.

BENEFITS:

▶ Durable	▶ High Strength	▶ Just- add-water
▶ Stainable	▶ Can be polished	▶ Lightweight
▶ Fast drying	▶ Easy to use	▶ Endless color options

COLORS: WHITE – Can be integrally colored with **Pro-ColorPacks**.
40+ Proline colors available. Other integral color pigment can be used.

FORM/MOLD TREATMENT: Prior to pouring Proline **Pro-Cast** into table molds or any type of form or mold, brush the surface with Proline **Form & Mold Release** and remove excess with a sponge or cloth rag. **Note:** Puddles or excess material will produce bug holes in the finished product.

DRILL MIXER RECOMMENDATIONS: It is important to use a heavy-duty drill mixer as GFRC mixes need more torque than traditional cement-based products. The best and most efficient heavy-duty drill mixers are those with dual mixing paddles (Example – Collomix Xo 55 Duo R) For smaller batches, a heavy-duty mixer with a single mixing paddle can be used (Example – Collomix Xo 4 R)

MIXING INSTRUCTIONS: **Pro-Cast** is a just-add-water mix. Prior to removing the **Pro-Cast** lid, turn the bucket on its side and roll it around to loosen the compacted material. Bring the bucket upright and remove the lid. Next, take out the bag of glass fibers and set aside. In a clean 5-gallon pail, add 96 ounces cool/cold water. If coloring **Pro-Cast**, add **2 Pro-ColorPacks** to the water and mix for 20 seconds. Then slowly add and blend in the **Pro-Cast** dry mixture for 1-2 minutes. Then add the entire bag of glass fibers and mix thoroughly for 30-40 seconds.

APPLICATION: Make sure the forms or molds are placed on a flat and level surface, otherwise the thickness will be uneven. Immediately after mixing, pour **Pro-Cast** into the form or table mold at the desired thickness. When available, use a vibrating table. Another method of agitation for table molds is right after the **Pro-Cast** is poured into the mold, lift the edge of the polyurethane mold a couple inches and let it drop. Do this all around the mold. This will help the material settle into the mold. When using forms or molds that have a smooth finish, **prior to adding the glass fibers**, pour and spread a thin layer of **Pro-Cast** into the mold with your hand. Then mix the bag of glass fibers with the remaining **Pro-Cast** and pour into the form or table mold.

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CREATING THICKER EDGES: To create thicker edges, prior to the **Pro-Cast** application, measure out a section of 2" or 3" thick dense foam. Cut the foam a little smaller than the inside of the form or mold, leaving a $\frac{1}{2}$ " - $\frac{3}{4}$ " space between the foam edges and the inside of the form or mold. Wrap the foam with thin painter's plastic and secure the plastic with tape. Measure the height of the foam when inside the form or mold. Add $\frac{1}{2}$ " - $\frac{3}{4}$ " to that height and write it down. Pour **Pro-Cast** into the form or mold. Additional **Pro-Cast** will be needed for the edges, so you can add more material than usual. Right after pouring the material into the form or mold, place the piece of foam on top of the wet **Pro-Cast**. For larger forms and molds, it may be necessary to put a piece of plywood over the foam to make sure the foam does not bend. Next, place weight on the foam so the foam will sink and the material will rise up around the edges. Spread the weight evenly over the foam or plywood. The proper amount of weight depends on the size of the form or table molds and how thick you want the edges. In most cases, 90 – 100 pounds is the minimum weight needed. Slowly add weight until the foam reaches the measurement you wrote down. Make sure the height of the foam doesn't go lower than the measurement you wrote down. This will make sure that the thickness of the majority of the table will be between $\frac{1}{2}$ " - $\frac{3}{4}$ " thick. If needed, add additional **Pro-Cast** between the foam and the edge of the mold to raise the material to the desired edge thickness.

COLORING OPTIONS: **Pro-Cast** is colored using **2 Pro-ColorPacks** per pail. Over textured finishes Proline **Accent** and **EZ-Tique** colors can be applied as highlights and antique colors. **Pro-Cast** can also be acid stained with Proline **Dura Stain**.

SEALING: **Pro-Cast** is a porous concrete material and should be sealed. It is best to wait 5 days to seal **Pro-Cast**. The following sealers are recommended over **Pro-Cast** – **Eco-Seal, Dura-Seal, Nature Shield, Dura-Thane, Epoxy 100 and Epoxy H20 (epoxies are interior only)**. Please read sealer technical data sheets to determine suitability for specific applications and for the desired finish.

CLEAN UP: Before **Pro-Cast** dries, tools and spills can be cleaned with water. If **Pro-Cast** dries it can be removed by a grinder. A hammer works well for dried material on tools.

MORE DETAILED COVERAGE DETAILS –

Coverage measured in cubic inches. One cubic inch of **Pro-Cast** = .085 lb.

Find volume in cubic inches of desired casting and multiply by weight of **Pro-Cast** .085 lb. to find total weight of **Pro-Cast** needed.

Rectangle or Square Formula – (Length x Width x Depth) x .085 = Weight of **Pro-Cast** needed.
 Example: Rectangular table – (52" x 28" x .5") x .085 = 61.88 lb. **Pro-Cast** needed.

Round Table Formula - (Radius squared x 3.14 x depth) x .085 = Weight of **Pro-Cast** needed.
 Example: Round table with a diameter of 48". Radius = 24". If you want a 2" drop down edge, add 2" to the radius. (26" x 26" x 3.14 x .5") x .085 = 90.21 lb. **Pro-Cast** needed.

WARRANTY: This product is not for public use and is intended for use by licensed contractors, experienced and trained in the use of these products. It is warranted to be of uniform quality within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the affects or as results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.