



Grani-Kast

Countertop and Tabletop mix

DESCRIPTION: The Tru Impressions Grani-Kast is a high performance granite based concrete mix kit designed for precast applications for both countertops and furniture. Designed to be ground and polished, Grani-Kast can offer a look unmatched with other countertop mixes and allows the artisan the ability to create a variety of unique pieces. Grani-Kast is available in several color blends or as individual components to create your own scheme.

COMPOSITION: Three part kit with a proprietary blend of cements, crushed granite, pozzolans, and rheology modifiers.

WORKING AND PERFORMANCE PROPERTIES @ 75° F (24° C) APPROXIMATE VALUES OF FULL 55 lb KIT	
Working time:	2 hours
Initial set	1-2 hours
Final set	6 hours
Compressive strength 24 hr, 7days, 30 d.	3000, 6000, 9000 psi
Coverage of 55lb kit	3.25 sq ft at 1.5 inches thick.

MIXING: Set aside 2.75 qts of clean water. In a large mixing vessel(5gl bucket or larger) combine 2 quarts of water with the cement blend and color packet and blend slowly for one minute. An auger style mixer works best. Add the remaining water and begin adding the packet of granite and continue blending the mix until all the granite is added and thoroughly mixed.

PLACEMENT: This mix is designed for precast, upside down applications for the best results grinding and polishing. It may be used in cast in place applications though finished results may vary greatly depending on the troweling ability of the finisher. Make sure all forming, bracing and edging materials are properly in place before mixing material. If using rebar for reinforcement, use #3 and keep it placed at least 1/4 inch below the surface that is going to be exposed after finishing to avoid ghosting. Once placement has begun, be sure to continue mixing and filling the mold until completion, avoiding any long delays between batches to avoid the possibility of “cold joints”. It is usually best to fill the molds from the bottom to the top instead of end to end. Vibration is always recommended to reduce the chances of bug holes on the edges and bottom surface. This is best accomplished on a vibrating table though other vibrating techniques may be acceptable.

CURING: After finishing is complete, allow to cure for 48 hours though pieces may be de-molded in 24 hours.

FINISHING: Grani-Kast is designed to be ground and polished to expose the granite aggregate. The thin layer of cement cream can usually be quickly and easily removed with a high quality 50 grit diamond resin pad. The remaining grinding sequence will vary based on the desired final finish and type of sealer/coating to be used.

Grinding may result in a small amount of popouts. These can be addressed with a proper slurry coat or resin based filler. Gran-Kast is compatible with all common types of sealers and coatings, bearing in mind that all instructions relating to those treatments are followed.

OPTIONAL FINISHES: As an alternative to grinding and polishing, the surface may be etched with a mild acid solution to remove the cream and lightly expose the granite aggregate. This exposed surface can then be treated with a suitable sealer or finish.

FLOORING: Grani-Kast has been used as a flooring overlayment as well. Placement thickness is recommended at 3/8" or higher since some material will be removed in the grinding process.

WARNINGS: Contains cement and silica. Avoid inhalation of dust. Wear gloves, safety goggles, and NIOSH/MSHA approved dust respirator during mixing and placement. Use only with adequate ventilation. Refer to product M.S.D.S. (Material Safety Data Sheet) for additional safety information. Do not take internally. Avoid prolonged contact with skin. **FOR USE ONLY BY PROFESSIONALS. KEEP OUT OF REACH OF CHILDREN. IF INHALATION OR EXPOSURE CAUSES ANY DISCOMFORT OR IRRITATION THAT PERSISTS, SEEK MEDICAL ATTENTION.**

NPCS HMIS SAFETY RATINGS: HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, P. PROTECTION = E

PACKAGING: 55 lb. kit(3 part) **STORAGE:** 20° to 90° F. Store in a dry place.

SHELF LIFE: 1 year properly stored

FREIGHT CLASS: Item 42130, Sub O, LTL 50

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all Risk and liability resulting from the use of this product. **ALWAYS PRODUCE A TEST PIECE BEFORE USE.**

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