TRU PAC X

Decorative Mortar Conversion Kit

DESCRIPTION: The Tru Impressions Tru-Pac X conversion kit is a multi-component multi-functional admixture kit for converting an 80 lb batch of Type S mortar mixes into a high performance, environmentally sound decorative mortar material that may be for thin applications starting at ¼ inch up to build outs of 4 inches or

risk of cracking, allowing its use for thin "plaster" applications. With an adequate scratch coat or bonding agent, the converted mortar can applied over existing concrete, drywall, plywood, cement board and cinder block**. Each Tru-Pac X kit is a consistent blend of aggregates, resins and other proprietary materials which will result in a reduced porosity surface and final strengths approximating those of standard decorative overlays. With proper preparation, Tru-Pac X converted mortar can also be used on overhead applications. For overhead applications of over 2 inches, lighter weight standard Tru Pac V is recommended. The mix will dry and cure to a natural buff gray which provides added realism to your projects. Tru Pac overlayment is safe to use around heat sources such as indoor and outdoor fireplace surrounds as long as standard proper insulating materials are used as needed. **Tru Pac X kit is not intended to be used as a stand alone mix. NOT intended for submersed applications or heavily wet areas, though standard outdoor applications are acceptable**

COMPOSITION(Tru Pac X): Proprietary blend of lightweight aggregates, cement, set modifiers and natural non-shrink elements.

WORKING AND PERFORMANCE PROPERTIES @ 75º F (4º C) APPROXIMATE VALU S OF FULL 17 lb MIX LOA	
Density (Wet mix) per ASTM C 138	135 lbs./cu.ft.
Working time	30-60 minutes
Initial set per ASTM -191 (Finishing time)	.5-1.5 hours
Final set per ASTM C191	2-6 hours (varies with temperature)
Coverag of combined kit	Approx 20 square feet at 1/2 inches, 10 sq ft at 1 inch thick, .
14 day Strengt	3800 psi

SURFACE PREPARATION:

CONCRETE: Make sure surface is thoroughly cleaned, especially any organic stains which may inhibit bonding. Any cracks and loose joints must be properly patched and filled to prevent shadowing and visible depressions from new mix.

MASONRY: Remove and repair any loose or weak mortar between masonry units. Clean as above.

DRYWALL, BACKERBOARD, PLYWOOD: Reinforce any joints between the boards, at the corners, and cover exposed screw or nail heads. Surfaces should be reinforced to prevent any flexing or movement. Mechanically fasten wire mesh/lathe to drywall or plywood surfaces as needed prior to scratch coat.

PRIMING: All NON-LATHE substrates should be primed with proper primer such as TI Flexy-Bo using a roller or brush at approximately 300 sq. ft./ gallon. Do not apply the bonder to wet surfaces. Allow the primer to dry tact" consistency, which is typically 20-30 minutes, before starting the scratch coat/vertical application. Overly absorbent substrates may require a second coat of primer to ensure an adequate seal. Do not expose the freshly primed surface to rain or water contamination, in which case the primer would have to be reapplied due to possible run off.

SCRATCH COAT: When the primer is ready, a thin scratch coat of simple mortar should be applied by trowel or hopper gun at approx. 1/16 to 1/8 inch thick. This scratch coat should be raked horizontally to create

adequate surface profile which will greatly enhance the bonding ability of the decorative top coat. Allow the scratch coat to dry 6-8 hours. Always dampen scratch coat by misting at the onset of applying Tru Pac mortar.

MIXING*: Water content is variable from 1.75 to 2.25 gallons*. In a mixing tub of 15 gallon or larger, place approx. 1 gallons (4 quarts) of water in the mixing container, and setting aside an additional 3 qts of water for secondary addition. *Add half the bag of mortar and mix slowly with a sturdy paddle type mixer for one minute. Add in the Tru Pac and mix for another minute. Then add 2 to 3 of the remaining qts of water that was set aside and the other half bag of mortar continuing to mix for two minutes at low speed, taking care to scrape the sides of the container as you go.* **NOTE. User may have individual preference on the mix consistency and water**

content. "Plaster" coats will tend to have higher water content for easy spreading. User may adjust water to the desired consistency of the mortar, but do not exceed 2.25 gallon (9 quarts) per combined mix. Do not add previously mixed material to new batches, and do not re-temper or add additional water to previously mixed material to gain plasticity. Tru Pac X is based on common Type S mortar. Using other mortar Types may affect the rheology and speed of the mix, thus affecting the final product. Always run a test batch when deviating from the standard instructions. When needing a partial batch, blending the Tru Pac X with the mortar in a 1:4 ratio by weight will be adequate.

APPLICATION: The Tru Pac converted mortar is usually applied by handfuls and/or hawk and trowel ¼ to 4 inch thickness. Coverage rates will vary depending on depth of installation, substrate texture, and finishing. If applying in successive lifts, allow preceding lift to stiffen (but not harden) before applying fresh material. Application thickness should be sufficient to allow for the accurate transfer detail if using a concrete stamp. Begin stamping as soon as the material has sufficiently set to achieve a clean impression without tearing the surface, usually within the first 15-30 minutes with proper use of release agent, either liquid or powder. Heavier applications can be carved/shaped between 1-8 hours after application. Degree of carving will vary depending on temperature, humidity, and thickness.

CURING: Normal curing of The Tru Pac mortar mix is not necessary due to its extended set time(hydration), though extreme conditions may require the recommended use of moisture retention such as sheeting. Any control joints should be completed approx. 24 after installation

CAUTIONS: Do not apply if the temperature is expected to fall below 40º F (4º C) or rise above 90º F (32.2º C) within 72 hours of application. Maximum application thickness recommendation in one lift is 2". If mix sags or fails at any point during application, completely remove the effected material, clean the scratch coat to remove lortar residue, and re-apply the mortar at a reduced thickness. Do not overwork the completed surface. Minimum application thickness is usually 1/4 inch (6mm).

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 INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. If inhalation or exposure causes any physical discomfort or irritation that persists, SEEK MEDICAL ATTENTION.

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

PACKAGING: 23 lb. bag , 80 bags / pallet **STORAGE:** 40º to 90º 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. Revised – 5-12

NOTE: Tru Pac has been tested with the most common 80 lb bag type S mortars found. Walttools does not promote any specific brand, nor guarantee Tru Pac mix will work with every type of mortar available to the same specifications. A test batch test should always be performed before using a particular combination for a project.

***Though Tru Pac X can be used in applications of extreme thickness, as a standard weight mix, caution should be heeded due to heavier weight loads on walls and floors, Standard Tru Pac V may be preferred to reduce to overall weight of the final project if the majority is more than 2 inches thick.**

****Although we always recommend a scratchcoat before applying any vertical mix, Tru Pac X can be used directly onto surfaces such as Drywall with use of a reliable bonding agent as long as the thickness of the material remains under one half inch.**