



CLEAN CAST

SELF CONSOLIDATING (SCC) GFRC MIX

TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Kingdom Products' Clean Cast Mix is a proprietary blend of high performance ingredients that has been designed as a one component, self-consolidating (SCC) GFRC mix that is high in strength, durability and ease of use. **Clean Cast** makes it easy to avoid errors in weighing out individual components by including all ingredients into one convenient 50 lb bag. Use **Clean Cast** for any project requiring a High Performing, High Strength, Pinhole Free Casting Mix.

FEATURES & BENEFITS

- Self Consolidating
- One Component
- Easy to Use
- Fiber-Reinforced
- Accepts Satins & Dyes
- Can be Pigmented
- High Early Strength
- Pre-blended
- Cost-effective
- High Compressive & Flexural Strength
- Pinhole Free!
- Single material source
- Batch to batch consistency

RECOMMENDED APPLICATIONS

- Precast
- Sinks
- Wall Panels
- Countertops
- Furniture Pieces
- Precast Production Settings

TECHNICAL DATA

Working Time.....20 min	Wet Appearance.....Dark Gray
Initial Set.....45 min	Dry Appearance.....Light/Natural Gray
Final Set.....60 min	Application Temperature.....50°F - 80°F
Initial Cure.....24 hours	Full Cure.....28 days

***Please note that low air temperatures and/or relative humidity will extend drying times.*

SPECIFICATIONS/COMPLIANCES

Compressive Strength ASTM C109-08			
1 day6,500 psi	3 day12,000 psi	7 day18,000 psi	28 day20,000+ psi

***Please note that low air temperatures and/or relative humidity and fiber loading may alter listed strengths.*

APPROXIMATE COVERAGE RATES

Material will cover approximately • 4 sq ft at 1" • 2 sq ft at 2"

PACKAGING

Clean Cast is stocked and sold in 50 lb bags and 2000lb Super Sacks. Available in White or Natural Gray.

STORAGE & SHELF LIFE

Do not subject material to moisture prior to use. Keep product in a cool dry location, free from direct sunlight. In cold climates, store the product at room temperatures and bring product to a temperature range of 40° to 90° prior to use. Colder material may take longer to achieve final set time, while hot material may set very quickly. Keep in a tightly sealed container. Avoid storing directly on top of a concrete slab. Place a barrier between the mix bags and the concrete floor (i.e. plastic, pallet, etc). Shelf life is approximately 6 months from the date of manufacture as long as product is stored under the proper conditions, in an environment free of moisture, direct sunlight, excessive heat and freezing temperatures. To extend shelf life, transfer any leftover material to a plastic pail with a gasketed lid.

Water Demand: Approximately 1 gal water per bag (8.34 to 9 lbs by weight)

Clean Cast can be mixed using a drum mixer, paddle mixer or an auger style mixer. If using a drum or paddle mixer wet the inside of mixer before starting the mixing process. Add your water to the pail or mixer and gradually add in the **Clean Cast Mix**, mixing thoroughly. ****Mix to suit, but DO NOT OVERWATER**

Once face coat is applied. Mix a second batch as above, this time adding AR fiber to the mix at a rate of 1 to 1.35 lbs per bag and mix uniformly. Place mixed material into the mold without delay as the mix will set up quickly. Fill mold and smooth surface with gloved hand or trowel and allow to set.

If filling container molds, mix **Clean Cast** as directed above, but do not add AR fiber. Promptly fill mold with **Clean Cast Mix** and allow to set.

When using White Clean Cast, be sure to use the proper tools to avoid discoloration of the material, i.e. plastic instead of steel.

When integrally coloring the **Clean Cast**, *Kingdom Products' FAST Melt Integral Pigment* can be added directly into the mix water for complete uniformity of color throughout the material. The dry powder pigment can also be added directly into already mixed material to produce a variegated color spectrum. In this application method, add a shot of pigment into the mixed material, give the mixer a quick spin and dump the material without delay. When this technique is mastered, variegated color hues can be easily obtained.

SEALING

Clean Cast Mix can be sealed using any of Kingdom Products' sealers, polyurethanes or epoxies depending on final usage of the piece.

CLEAN UP

Use soap and water. Dispose of containers in accordance with local and federal regulations.

SPECIAL NOTES

Please consult Safety Data Sheet (SDS) and read Warranty information prior to use. FOR PROFESSIONAL USE ONLY!

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