55 Hilton Street, Easton PA 18042
(269) 488-4000
www.alumilite.com

TECHNICAL DATA SHEET

HydroCast Mineral Casting Compound

HydroCast is a sustainable, mineral-based casting compound designed to provide a greener alternative to traditional resins. With its simple 3:1 mix ratio, HydroCast offers creators an easy-to-use, eco-friendly solution for producing stone-like crafts and home decor items. This material is versatile, customizable, and durable—perfect for a wide range of creative projects.

PRODUCT SPECIFICATIONS	
Mix Ratio	3A:1B by volume
Working Time	10-15 minutes
Demold Time	24 hours
Full Cure Time	3 Days
Shelf Life	1 Year
Color	White

PRODUCT FEATURES

- **Eco-friendly:** Made from mineral-based ingredients, HydroCast is a sustainable option for eco-conscious creators.
- **3:1 Mix Ratio:** Easy-to-use with the included scoops, ensuring perfect ratios for mixing.
- **Customizable:** Add pigments, terrazzo chips, or alcohol inks for unique designs. Also paintable and sealable for a personalized finish.
- **Natural Matte Finish:** Mimics the look of stone with a beautiful, natural matte finish that captures fine details.
- **Durable:** Resistant to wear and tear, ensuring long-lasting projects.
- **Non-Toxic and safe for indoor use:** Perfect for creating home décor without compromising on durability or aesthetic appeal.

INSTRUCTIONS FOR USE

- **Mixing**: Combine HydroCast casting compound with the acrylic hardener in a 3:1 ratio.
- **Work Quickly**: After mixing, use the material quickly, as it begins to set if left unused for too long. If the mixture becomes too thick, add more catalyst and continue mixing.
- **Customization**: Mix in pigments, terrazzo chips, or alcohol inks for unique colors and textures.

- **Pouring**: Ensure the mixture is thoroughly mixed to avoid any spottiness or uneven distribution.
- **Sanding**: Allow 24 hours to cure before sanding. Begin with 180 grit and finish with 400 grit for a smooth surface. Wet sanding can provide a finer finish.
- **Layering**: To pour additional layers, wait until the material reaches the tack-free stage (within one hour). If you wait too long, sanding may be required to ensure adhesion.

APPLICATIONS

- Creating customized crafts and home décor
- Building stone-like or terrazzo-inspired projects
- Personalizing items with unique colors, pigments, and chips
- Perfect for use in molds, decorative pieces, and functional decor

BEFORE YOU BEGIN

Epoxy Work Environment: The ideal working temperature is around 65-75°F in a clean, dry, dust-free environment. Avoid working in high humidity.

Materials: Be prepared with all necessary materials and tools before beginning your project.

- Mixing tools
- Pigments or chips for customization
- Paint or sealant for finishing touches
- Sanding tolls for smoothing surfaces
- Gloves and PPE

CLEAN UP & DISPOSAL

Clean any tools with water immediately after use. Dispose of HydroCast and any packaging in accordance with local, state, and federal regulations. Ensure leftover material is sealed in the original packaging and stored in a cool, dry area.

SAFETY

Safety: Before use, thoroughly read Safety Data Sheets and product labels. Follow safety precautions and directions.

- Wear gloves
- Safety glasses
- Protect clothing with a work smock or other outer garment
- For cleaning surfaces, containers – use Acetone, rubbing alcohol or nail polish remover
- When stored separately, epoxy & hardener have long shelf lives – store in a cool dry area in tightly sealed containers

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DISCLAIMER: The information contained herein is considered accurate; however, Alumilite makes no warranty regarding its accuracy. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.