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ecologic®

Brand
Mortar & Plaster
For Historic Restoration
and Green Building

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Ecologic™ LithoCase Monument Glue

Ecologic™ LithoCase Monument Glue is an all-natural field-mixed gluing system used mostly to adhere broken fragments of upright cemetery headstones. Ecologic™ LithoCase Monument Glue can also be used to glue small pieces of brick and stone masonry together. Ecologic™ LithoCase Monument Glue has a respectable strength using calcium caseinate to significantly hold together units but will still remain reversible. Used in conservation work, if a tablet stone were to be pushed over, Ecologic™ LithoCase Monument Glue will allow the stone to break at the glue point if enough force came upon to seam and not encourage a new break at another location if vandalism were to occur. Product comes in two parts; Casein/Lithomex powder and Ecologic™ Waterglass as the liquid additive. Ecologic™ LithoCase Monument Glue is vapor permeable so moisture flow through the unit will not be hindered or altered.

Mixing:

Ingredients

- Casein Glue (Part 1)= 1 Cups
- Mixing water = ¼ cup
- Waterglass = 12.5 ml

Procedure

- 1.) Mix Casein Glue powder and water for a minimum of 5 minutes and until all lumps are gone.
- 2.) While mixing add all of the Waterglass.
- 3.) Mix glue for a minimum of 5 minutes and until all lumps are gone.
- 4.) Apply glue mixture to both substrates.
- 5.) Tightly Clamp pieces together and let sit over night away from freezing temperatures.

Application:

The application surface must be clean, free from dust and oils. On porous surfaces, ensure that pre-wetting the surface controls suction and apply Ecologic™

LithoCase Monument Glue before the units are fully dry. Never apply to surfaces that are over saturated or have standing water. For application on dense impervious materials, please consult us. Always dampen application areas. Ecologic™ LithoCase Monument Glue should be well pressed back in place ad recessed from the break edge. Support where necessary with wires, anchorage, stainless steel fixings, forms, etc. Clamp and support the two pieces that are getting glued together for a period of 72 hours before removing the support structure. Further use St. Astier's Lithomex neat in the appropriate color for the repair to fill in any visible cracks or voids that remain after the Ecologic™ Brand Casein Glue has cured.

Environmental Requirements:

Materials must be stored and handled to protect them from damage and moisture in accordance with Manufacturer's instructions. It is recommended to take precautionary measures necessary to assure that excessive temperature changes do not occur. Do not apply Ecologic™ LithoCase Monument Glue or Lithomex patching mortar unless minimum ambient temperature of 45 degrees F and a maximum of 85 degrees F has been and continues to be maintained for a minimum of 48 hours prior to application and until Ecologic™ LithoCase Monument Glue has cured. During hot weather Protect from uneven and excessive evaporation during the dry, hot weather. It is suggested to provide tarping over the outside of all scaffolding.

Safety:

Wear adequate protective clothing to avoid prolonged contact with Ecologic™ LithoCase Monument Glue. To avoid dust contact with eyes and possible inhalation wear glasses and the appropriate dusk mask especially in areas not properly ventilated.

Disposal:

Sweep and place bulk material in containers and properly remove for disposal. The final, cured product is not hazardous. Dispose of in a landfill in accordance with all local, state and federal regulations.

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