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-Installation instruction manual-

Installation Procedures

- Priming:
 - An Epoxy Primer is recommended to ensure maximum adhesion to a prepared substrate.
 - *Mixing Epoxy Primer:*
 - Thoroughly mix each component together per manufacturer's recommended ratio.
 - Mix only that amount of material that can be used in a 30 minute period.
 - *Application of Epoxy Primer:*
 - Pour Primer onto the prepared concrete.
 - Spread with either a flat trowel or squeegee to a coverage of 250 sq. feet per gallon
 - Back roll with a short nap roller. Do not allow the primer to puddle.
 - Allow Primer to sit for 30 minutes prior to terrazzo installation.
 - If Primer sits for a prolonged period to time, a light broadcast of dry silica sand is recommended.

- EnviroGLAS Terrazzo:
 - Mixing batches of EnviroGLAS Terrazzo should be done in a 3-5 cubic foot revolving blade-type mortar mixer. Proper aggregate and epoxy resin mixing is critical to ensure system performance and uniformity.
 - *Mixing EnviroGLAS Terrazzo:*
 - Thoroughly mix each component prior to combining.
 - Mix Epoxy Resin per manufacturer's recommended ratio parts by volume of Part A (Resin) with recommended by part by volume of Part B (Hardener) for 3 minutes at low speed.
 - Slowly add recommended volume of Epoxy Filler into the mixed resin.
 - Add EnviroGLAS aggregate into the mortar mixer and continue slow blend for 3-5 minutes or until aggregate uniformity. Consult epoxy resin manufacturer for square foot coverage per blended batch.
 - *Application of EnviroGLAS Terrazzo:*
 - Place EnviroGLAS mixture on primed surface. Spread material in a line or in small areas.
 - Spread with flat trowel to the $\frac{3}{8}$ " thickness.
 - Finish trowel with a machine trowel to improve production and compaction of the EnviroGLAS where applicable. Sprinkling additional EnviroGLAS aggregate to the surface is recommended to help overall uniformity.
 - Allow the EnviroGLAS Terrazzo floor to cure for 24 hours.

Grinding Procedure

An initial grind with a 24 grit carborundum stone is recommended to expose the glass aggregate and smooth the surface. NTMA Contractors have the option to utilize the wet or dry grind process. A second grind utilizing a 80-120 grit stone over the same area is recommended to eliminate swirl or irregular patterns. Keep the grinding machine moving at all times, first in parallel lines then diagonally across the floor. It is recommended that larger areas of grinding take place to reduce the amount of heat to the epoxy terrazzo generated by the terrazzo grinding equipment. Clean the floor after grinding. The floor must be clean and dry. After grinding, the terrazzo is to be rinsed or vacuumed before applying the Epoxy Terrazzo Grout.

Grouting Procedure

Grouting EnviroGLAS Terrazzo is necessary in order to fill small air bubbles that are opened during the grinding process. The NTMA recommends grouting the floor with same color epoxy grout used during the trowelled application.

- Mixing EnviroGLAS Terrazzo Grout:
 - Thoroughly mix each component per the epoxy resin manufacturer's instructions.
 - Do not mix more materials than can be used within a 30 minute period.
 - Apply grout using a straight edge trowel tightly to the surface.
 - It is recommended to pull the epoxy grout material twice with the second application, crossing the first application.
 - Allow epoxy grout to cure a minimum of 24 hours prior to the polishing process.

Polishing and Sealing Procedures

- Polishing Procedure:
 - Final polishing should be done with 80-grit to 220-grit stones or diamonds.
 - Finer polishing will produce a superior finish.
- Sealing Procedure:
 - A combination of 100% Post Recycled Glass and formulated Epoxy Resin *DOES NOT* require a sealer.
 - Topical sealer and finish can be used to provide additional shine and protection.
 - Apply seal to manufacturer's guidelines.

Maintenance Procedure:

EnviroGLAS Terrazzo Flooring is easily cleaned with neutral soaps and detergents. Routine mechanical scrubbing is recommended for all surfaces with a non-skid texture. Long periods of heavy traffic may cause wear patterns requiring a maintenance application of a finish coat.