

## Green Monster™ Application Specifications:

GML Coatings specializes in concrete restoration and coating applications for water and wastewater infrastructure. **The Green Monster™ (Potable)** application is made up of: Cementitious concretes used as a resurfacer or structural build back material; **Green Monster™ Primer** which is a spray applied plural component material that penetrates deep into the pores of the concrete; **Green Monster™ Liner** which is spray applied at a 90-110 mil thickness creating a flexible coating forming the protective barrier to this structural system. This is a general specification for manholes and lift stations, make sure to consult with a GML representative before specifying any of GML's products for other applications.

## Procedure:

- The structure will be solid plugged or flow-through plugs will be used to control flow coming into the work area. GML Coatings can also setup bypass pumping if required.
- Preparation will begin by sandblasting the entire substrate preparing the surface so that it is structurally intact, clean of all corrosion, and provided with a good profile.
- After sandblasting is completed, the surface area will be power washed at 4000 psi ridding the substrate of all dust, sand, and loose debris.
- All solids and water will be removed from the work site along with other debris.
- Active infiltration will be injection grouted.
- A cementitious calcium aluminate concrete will be applied to all voids, in most cases the entire surface will be structurally built up .5 inches to 1 inch thick providing a smooth brushed finish. Thicker applications may apply where there is more deterioration of the existing structure.
- The work area will be completely dried using in-direct heat lowering the moisture content of the substrate.
- **Green Monster™ Primer** will be applied to the dry and cooling substrate providing maximum adhesion and sealing the porous concrete.
- **Green Monster™ Liner** is spray applied at a 90-110 mil thickness. This will be sprayed onto the ring of the structure down to the coating of the bench in manholes and the entire bottom of other structures.

Materials	Manufacturer/Products	Set Time
Hydrophilic Grout	Prime Resins	3 Minutes
Cementitious Concrete		22-25 Minutes
Primer	<b>Green Monster™ Primer</b>	20 Minutes
Flexible Coating	<b>Green Monster™ Liner</b>	1 Minute

GML Coatings is the owner and exclusive applicator of the GML line of products and does not license them to other firms. GML Coatings trained professionals are to be responsible for all concrete preparation that is associated with the project. **Green Monster™ Liner** is an excellent choice when specifying a coating system. Cracking is never an issue like it is in most present day rigid lining applications because of the elasticity of the material. **Green Monster™ Liner** can be applied to any concrete, steel, brick, or fiberglass surface. Ask about changes in procedure when referencing other GML products and applications.

