

EXPOSED AGGREGATE POOL FINISH

PART 1 GENERAL

- 1.1 SECTION INCLUDES
- A. Preparation of existing pool surfaces.
 - B. Exposed aggregate pool finish.
 - C. Pool start-up, including filling, adjusting chemistry, and brushing for specified initial start-up period.
- 1.2 RELATED SECTIONS
- A. Section 09220 - Portland Cement Plaster.
 - B. Section 09300 - Tile.
- 1.3 SUBMITTALS
- A. Submit under provisions of Section 01300.
 - B. Selection Samples: Color samples showing manufacturer's full selection.
 - C. Manufacturer's installation instructions.
 - D. One copy of each of the following, for Owner's use:
 1. National Spa and Pool Institute "Pool Plaster Technology."
 2. National Plasterers Council "Start-Up Do's and Don'ts for Newly Plastered Swimming Pools."
 3. National Plasterers Council "Care Tips for New Swimming Pool Plaster."
 - E. Submit batch numbers of bags used to Owner for warranty purposes.
- 1.4 QUALITY ASSURANCE
- A. Installer Qualifications: Experienced in installation of pool plasters or trained by coating manufacturer.
- 1.5 WARRANTY
- A. Provide manufacturer's 5-year limited warranty to pool owner.
- 1.6 MAINTENANCE MATERIALS
- A. Provide one bag of each batch used in mix to Owner, with description of mix ratio used and installation instructions, for Owner's use in making repairs.

PART 2 PRODUCTS

- 2.1 MANUFACTURERS
- A. Pool Coating: Southern Grouts and Mortars, 1502 SW 2nd Place, Pompano Beach, FL 33069. ASD. Tel: (800) 641-9247 or (954) 943-2288. Fax: (954) 943-2402. Email: sales@sgm78.com
 - B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
 - C. Substitutions: Not permitted.
- 2.2 MATERIALS
- A. Pool Coating: SGM Diamond Brite(tm) exposed aggregate finish, made with 100 percent quartz aggregate and polymer modified cement.
 1. Color: As selected from manufacturer's full line.
 2. Color: _____.
 3. Provide enough material to have sufficient quantity for replacement of unsatisfactory work.

EXPOSED AGGREGATE POOL FINISH

- B. Pool Coating: SGM River Rok exposed aggregate finish, made with naturally colored stones and polymer modified cement.
 1. Color: As selected from manufacturer's full line.
 2. Color: _____.
 3. Provide enough material to have sufficient quantity for replacement of unsatisfactory work.
- C. Pool Coating: SGM Durazzo polished marble finish, made with select premium marble aggregate and polymer modified cement.
 1. Color: As selected from manufacturer's full line.
 2. Color: _____.
 3. Provide enough material to have sufficient quantity for replacement of unsatisfactory work.
- D. Bond Coat: SGM Bond Kote.
- E. Hydraulic Cement (Pool Patch): SGM Instant Hydraulic Cement.
- F. Patching Cement: SGM Vinyl Patching Compound or SGM Sand Topping Mix and Concrete Bonding Agent.
- G. Water: Potable water without detrimental minerals, metals, hardness, or alkalinity; if in doubt, verify quality with coating manufacturer.

PART 3 EXECUTION

3.1 PREPARATION

- A. Examine pool surfaces to identify conditions that might interfere with proper bonding of coating.
 1. Look for algae, mold, or mildew.
 2. Look for dirt, paint, mortar droppings, patching compounds, loose tile, cracked plaster.
 3. Identify hollow spots in plaster by sounding.
- B. Clean pool surfaces of all material that might interfere with proper bonding of coating.
 1. Clean with high pressure water or by sand blasting.
 2. Wash with chlorine until algae, mold, and mildew are gone.
 3. Wash oil and grease spots using trisodium phosphate and water; soak if necessary.
- C. Remove and repair all hollow and delaminated plaster.
 1. Saw an area 3 inches around bad spots and remove plaster inside the saw cut.
 2. Undercut the edges of remaining plaster.
 3. Fill holes with specified patching cement to level of existing plaster.
- D. Remove loose tile and fittings; remove 2 inches of tile and underlying plaster and undercut 3/8 inch.
- E. Stop water penetration from outside pool. Plug cracks and leaks around fittings using hydraulic cement (pool patch).
- F. Etch cleaned surface with muriatic acid solution. Use concentration necessary to clean and roughen surface; smooth surfaces may require higher concentration. Neutralize surface with solution of baking soda and water.
- G. Plug pool inlets and outlets to prevent clogging.
- H. Mark location of fittings using tape on coping or on a measured drawing.
- I. Provide sump pump at main drain to remove all running and standing water.

EXPOSED AGGREGATE POOL FINISH

3.2 INSTALLATION

- A. Do not begin installation until concrete pool shell has cured at least 28 days.
- B. Apply coating in accordance with coating manufacturer's instructions and recommendations.
- C. On existing plastered surfaces, apply bond coat with stippled finish.
- D. Mix coating to produce best quality and consistent color throughout. If material from more than one batch number is used, mix all batches together for color consistency.
- E. Apply, trowel, and expose aggregate using methods and sequence selected to produce the most uniform finish. Avoid practices that may cause washouts, shadows, streaks, or discoloration.
- F. At areas that will be above water line, take care to avoid blisters or hollows and water cure for 7 to 28 days to reduce possibility of shrinkage cracking.
- G. Replace areas of non-uniform appearance.

3.3 START-UP

- A. Allow coating to air dry before filling pool; avoid filling too soon that could cause mottling; avoid drying out causing shrinkage cracking.
- B. Filter pool water using a carbon tank and sequestering agent to remove contaminants that might cause staining.
- C. Fill pool and start circulation system when water level is above return inlets; circulate water continuously for | the first 3 days.
- D. Test water and adjust chemistry to best avoid discoloration and scale. Refer to coating manufacturer's recommendations and National Spa and Pool Institute "Pool Plaster Technology" and National Plasterer's council "Start-Up Do's and Don't for Newly Plastered Swimming Pools."
- E. Brush entire coated surface twice a day for the first 3 days. Thereafter, brush entire surface once a day for 2 weeks.
- F. Do not use wheeled vacuums for at least 14 days (to avoid wheel marks) and do not install automatic vacuums for at least 28 days.