

Endurance Building Systems -SuperGlaze Acrylic Installation Specifications

Part 1 GENERAL

1.0.1 SUMMARY

- A. Provide labor, materials, equipment and supervision for field applied coating application over concrete, clay and metal roof tiles.
- B. The manufacturer's application instructions for each product utilized is to be considered part of these specifications and should be followed at all times.
- C. Endurance Building System's (EBS) SuperGlaze shall be designated for application on the specific roof type indicated in the contract documents.

1.0.2 QUALITY ASSURANCE

- A. **Supplier Qualifications:** Only companies approved by Endurance Building Systems shall be approved to apply SuperGlaze.
- B. **Applicator Qualifications:** The applicator must be approved of in writing by EBS to apply the coating system. Manufacturer's written verification of applicator approval is also required.
- C. **Field Quality Control:** Upon completion of work, EBS reserves the right to inspect all jobs or have a third party check the work. Consult with EBS for details and written warranties.

1.0.3 SUBMITTALS

- A. **Product Data:** Submit EBS product data sheets and installation instructions including approved products.
- B. Submit material safety data sheets.

1.0.4 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. **Containers and Packaging:** Deliver materials in original sealed containers, clearly marked with manufacturer's logo, full product name, and lot number(s).
- B. **Storage and Handling:** Store materials between 50°F and 100°F with careful handling to prevent damage to products. If conditions exceed

theses ranges, special considerations must be taken. Do not store at high temperatures or in direct sunlight.

- C. Protection: Protect all materials from freezing and other damage during transit, handling, storage, and installation.
- D. Physical Properties of Cured Coating System:

PROPERTY	ASTM METHOD	RESULTS
Hiding Power	D2805	97.3%
Elongation	D522	200%
Water Resistance	D358	Pass
Permeance, perms	D6083	15
Volume Solids %	D6083	41
Weight Solids %	D6083	50

Part 2 EXECUTION

2.0.1 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins and product guide specification instructions.

2.0.2 EXAMINATION

- A. Inspect surfaces to make sure they are clean, smooth, sound, properly prepared, and free of moisture, dirt, debris or other contamination.
- B. Verify that all roof penetrations, mechanical equipment, cants, edge metal, and other on-roof items are in place and secure.
- C. Verify that all critical areas around the immediate vicinity of the spray area are suitably protected.
- D. Verify that all roof drains are clean and in working order.
- E. Verify that all air conditioning and air intake vents are suitably protected or closed.

2.0.3 SURFACE PREPARATION

A. CONCRETE AND CLAY TILE ROOF

- a. Wear safety glasses at all times to prevent debris from coming in contact with eyes. Before power-washing, it is suggested placing a wire mesh in the down spouts to prevent debris run-off.

- b. Wear safety glasses at all times to prevent debris from coming in contact with eyes. Before power washing, it is suggested placing a wire mesh in the down spouts to prevent debris run off.
- c. Repair or replace any damaged roof tiles.
- d. It is advised to clean the roof with a maximum 3,500 PSI power washer with a turbo head at 4 gallons per minute (GPM) output. The turbo head will clean the roof surface much faster than a normal flat head nozzle, resulting in better efficiency and less water on the roof.
- e. Clean the roof from the top down at 45° angle, six to ten inches from the tile surface. It is suggested cleaning the nose of the tiles at a 90° angle walking horizontally across the roof then cleaning each individual tile downwards.
- f. Pay special attention to the nose of the tiles especially near the gutters. Wire brushes may be used to remove stubborn algae on barge caps and tile noses.
- g. Clean valleys to remove debris and mud which can lead to leaking.
- h. Avoid spraying dirty water onto adjacent properties and vehicles.
- i. Upon completion, it is suggested thoroughly cleaning gutters, down spouts and walls.
- j. It is recommended waiting 24 hours to allow the roof tiles to adequately dry. Any excess moisture on the tile can lead to blistering and cracking of the ensuing top coats.
- k. Water recapture is not necessary in most areas as it is simply water without additives, but always check local environmental codes and requirements.

Part 3 MATERIALS

- A. The following materials are available from EBS:
 - a. SuperGlaze 100 – 100% acrylic top coat roof coating.
 - b. SuperGlaze 200 – Sealer
 - c. SuperGlaze 300 – Glaze coat.