



1.0 Substrate Requirements and Preparation

- 1.1 Concrete shall have cured a minimum of 28 days prior to the application of any StoneCraft systems.
- 1.2 All cracked, spalled, or damaged concrete must be repaired using approved materials and techniques.
- 1.3 All concrete surfaces should be free of any contaminants such as grease, paint, dirt, dust, oil, efflorescence, sealers, etc. Oil and grease contaminants shall be removed in accordance with ASTM D4258.
- 1.4 Avoid the use of curing agents. Concrete surfaces with curing compounds or form release agents may require mechanical abrading in accordance with ASTM D4259.
- 1.5 All concrete surfaces shall be prepared by acid etching or abrading. Acid etching shall be performed in accordance with ASTM D4260. All acid etched areas must be thoroughly rinsed before the application of any Stone-Craft system.
- 1.6 All standard 1/8 inch StoneCraft systems require that surface drains be set 1/16 of an inch above the concrete finish.
- 1.7 All concrete surfaces must be free of any protrusions and irregularities.
- 1.8 All concrete surfaces require a standard steel trowel finish.
- 1.9 Expansion joints must be installed in order to adequately control cracking due to movement or shrinkage.
- 1.10 All concrete surfaces must be constructed in accordance with applicable building codes.

2.0 Base Coat Application

- 2.1 Ensure that the substrate has been adequately prepared and approved.
- 2.2 Dampen existing concrete just prior to the application to prevent dehydration of the base coat.
- 2.3 Pre fill chipped or spalled areas one hour before applying the base coat.
- 2.4 Apply base coat mixture with a steel trowel to provide a uniform, smooth surface to a total thickness of 1/16 of an inch.
- 2.5 Allow a minimum of three hours cure time at 20 degrees C°.

3.0 Pattern Layout

- 3.1 Remove or repair any surface irregularities and vacuum entire area.
- 3.2 Layout pattern in accordance with approved design specifications using approved techniques for maintaining a pattern that is consistent with the walls or architectural features of the site.
- 3.3 Install reinforced reveal tape and/or templates in accordance with approved design specifications and samples.
- 3.4 Ensure that all tape and/or templates are well adhered to the base coat.

4.0 Top coat Application

- 4.1 Apply top coat matrix with a steel trowel to provide a uniform textured surface, in accordance with approved samples, to a total thickness of 1/16 of an inch.
- 4.2 Allow a minimum of three hours cure time at 20 degrees C°.
- 4.3 Remove the reinforced tape and/or templates to reveal base coat as grout lines.

5.0 Highlight Color Application

- 5.1 Clean and vacuum entire area.
- 5.2 Apply highlight colorants specified by formula detail and in accordance with approved samples.
- 5.3 Allow a minimum of two hours cure time at 20 degrees C°.

6.0 Sealant application

- 6.1 Vacuum entire area and ensure that all areas are clean and dry.
- 6.2 Provide adequate ventilation to minimize odor build-up or transfer to adjacent areas.
- 6.3 Ensure that all applicators are wearing approved clothing and ventilators as recommended by the manufacturer.
- 6.4 Completely saturate the entire area with 'StoneSet Penetrating Densifier' using a lint free roller.
- 6.5 Allow one-hour set time.
- 6.6 Squeegee apply 'StoneSet Topcoat' resin to create a uniform flat surface.