METHOD OF STATEMENT
FOR STAMPED CONCRETE

1. Objective:

The objective of this method statement is to provide guidelines and procedures for the proper installation of Stamped concrete floors using GAC Color Hardener (Color Crete 200) Release Agent (Color Crete 300), and protective sealer resulting in a durable, aesthetically pleasing, and gloss/Matt finish.

2. Scope:

This method statement applies to the installation of Stamped concrete floors in various areas such as commercial buildings, residential properties, and industrial facilities.

3. Responsibilities:

- Project Manager: Overall responsibility for ensuring the proper execution of the method statement.
- Site Engineer: Responsible for supervising the Stamped concrete installation process and coordinating with the construction team.
- Concrete Contractor: Responsible for providing the necessary tools, equipment, materials, and skilled personnel for the installation, concrete pouring and finishing.

4. Equipment and Materials:

- Concrete mix (as per project specifications)
- Reinforcement materials (if required)
- GAC Color Hardener & Release Agent as per project requirements
- GAC Stamp Pattern & Protective sealer
- Broom and Mop
- Sprayer or roller for applying sealer
- Safety equipment (personal protective equipment)

5. Procedure:

5.1 Preparation:

5.1.1 Conduct a site inspection to ensure the concrete substrate is suitable for laying. Check for any cracks, spalling, or surface defects that may require repair or rectification.

5.1.2 Ensure the concrete mix design meets the project specifications, and any required reinforcement materials are properly installed.

5.1.3 Clean the concrete surface thoroughly, removing any debris, oil, grease, or other contaminants that may affect the adhesion and performance of the GAC products.

5.1.4 Polythene sheet will be used up to 250/500 microns.

5.1.5 Installation of wire mesh up to 6-8mm with 20mm spacer or as per specifications.

5.2 Application of Stamped Concrete:

5.2.1 Prepare the concrete mix as per the approved design mix, ensuring the correct proportions of aggregates, cement, water, and admixtures are used.

5.2.2 Transport the concrete mix from the batching plant to the application area using suitable equipment, such as concrete trucks or pumps. For smaller projects and for areas not accessible by concrete trucks and pumps, dry mix concrete is used which is supplied in bags from factory and mixed with water on site.

5.2.3 Pour the concrete onto the designated area, ensuring it is spread evenly using shovels or rakes.

5.2.4 After screeding, use a bull float to further level the concrete surface and achieve a smooth finish.

5.2.5 Broadcast the Color hardener on concrete when it is still wet but suitable for walking. Make sure there is no excess water on the surface which may lead to bleeding and loss of colour from dry shake powder. Use trowel or floater to push material into the still wet concrete surface unto 4-6mm deep for durable colour and stronger concrete surface.

5.3 Stamping Process:

5.3.1 Allow the concrete to reach the appropriate consistency for stamping. It should be firm enough to hold the stamping patterns but still workable.

5.3.2 Broadcasting release agent on top of trowel finished colour hardener, ensuring complete coverage and avoiding excessive buildup.

5.3.3 placing stamp over the surface once the release agent is broadcasted, starting from one corner and working systematically to avoid stepping on the stamped areas.

5.3.4 Press the stamping mats firmly and evenly onto the concrete to transfer the pattern, taking care to avoid shifting or overlapping the mats.

5.3.5 Continue stamping the concrete, aligning the mats carefully to create a seamless pattern.

5.3.6 Use hand tools and trowels to create detailed edges and finish any areas where stamping mats cannot be used.

5.4 Curing and Finishing:

5.4.1 Once the stamping process is complete, allow the concrete to cure for the recommended time as per the concrete mix specifications and environmental conditions.

5.4.2 Protect the stamped concrete from extreme heat, wind, rain, and other adverse weather conditions during the curing process.

5.4.3 After the curing period, thoroughly clean the stamped surface using water and a mild detergent to remove any residual release agents or debris.

5.4.4 Apply a sealer or protective coating to enhance the durability and appearance of the stamped concrete, following the manufacturer's recommendations.

6. Health, Safety, and Environmental Precautions:

6.1 Ensure all personnel involved in the installation and polishing process wear appropriate personal protective equipment (PPE) such as safety goggles, gloves, and boots.

6.2 Adhere to local safety regulations and guidelines throughout the application and polishing process.

6.3 Properly dispose of any waste materials, such as excess concrete or packaging, in accordance with local environmental regulations.