

GROUT

1. GENERAL

1.1 Work Included

- .1 Formwork for grout.
- .2 Prepare surfaces to receive grout.
- .3 Grout re-installation of existing precast concrete walkway panels.

1.2 Job Conditions

- .1 Maintain surfaces and ambient air temperature of minimum 10°C for a minimum period of 24 hours prior to, during, and 72 hours after application.

2. PRODUCTS

2.1 Grout

- .1 Non-ferrous Grout: pre-mixed, non-shrink, Master Builders 713, Sternson M-Bed, Superior Concrete Sika- Grout, minimum 28 day strength of 30MPa.

2.2 Formwork Materials

- .1 Plywood: Douglas Fir plywood, G1S, undamaged sheets with true edges.
- .2 Lumber: sound, sizes as required.
- .3 Nails, Spikes, Staples: all galvanized steel.

3. EXECUTION

3.1 Examination

- .1 Before starting this work, examine work done by others which affects this work.
- .2 Notify the Contract Administrator of any conditions which would prejudice proper completion of this work.
- .3 Commencement of work implies acceptance of existing conditions.

3.2 Surface Preparation

- .1 Remove all defective concrete, laitance, dirt, oil, grease and other foreign material from concrete surfaces by bush-hammering, chipping, or other similar means, until a sound, clean concrete surface is achieved.

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- .2 Lightly roughen surface to ensure proper bond with grout.
- .3 Remove paint primers, where possible, from all ferrous metal surfaces in contact with grout.
- .4 Follow manufacturer's directions respecting saturation of surfaces with water prior to grouting.

3.3 Formwork

- .1 Construct formwork accurately, ensuring grout conforms to lines, levels and dimensions indicated on drawings.
- .2 Arrange and assemble formwork to permit easy dismantling and stripping, ensuring grout is not damaged during its removal.
- .3 Provide sufficient clearance for proper placement between formwork and area being grouted.
- .4 Cover form surfaces with an acceptable release coating to prevent bond to grout.

3.4 Inspection

- .1 Notify Contract Administrator prior to placing grout, to permit inspection of formwork and placing of grout.

3.5 Mixing

- .1 Mix grout materials with clean, potable water in accordance with manufacturer's directions. Use minimum amount required for workable mixture.
- .2 Mix grout as close to work as possible. Transport quickly and in a manner that does not permit segregation of materials.
- .3 Do not permit any water to be added after grout has been mixed. Retempering grout is not acceptable.

3.6 Installation

- .1 If necessary, heat surfaces to minimum temperature recommended by manufacturer.
- .2 Place grout quickly and continuously by most practical means permissible, as recommend by manufacturer.
- .3 Thoroughly compact grout, free from voids and air pockets.
- .4 Trowel edges of grout to true lines to match existing.

3.7 Curing

- .1 Cure grout to manufacturer's directions.

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3.8 Form Removal, Repairs

- .1 Remove forms after curing.
- .2 Repair any visible defects in grouting, patch with matching grout.

END OF SECTION