

KLINGSTONE SPECIFICATION – PATHWAYS (TOPICAL APPLICATION TECHNIQUE)

PART 1. GENERAL

1.01 SUBMITTALS

- A. Submit two copies of manufacturer’s literature.**
- B. Submit two copies of each MSDS for materials to be used on the project.**

1.02 QUALITY CONTROL

- A. Materials must be delivered to the jobsite in original, unopened containers with proper identification labels.**
- B. Materials must be stored in a dry place with temperatures between 60 and 100 degrees Fahrenheit.**

1.03 APPLICATION MATERIALS

- A. AGGREGATE – A variety of materials may be used. The aggregate shall be washed of dirt, fine particles, and let dry. The aggregate size shall range from coarse sand to 1 inch. A mixture of coarse sand and larger aggregate is acceptable. Round river stone is preferred over crushed or angular stone.**
- B. KLINGSTONE – The Klingstone version shall be selected to achieve the required penetration. Klingstone 400 – for coarse aggregate. Klingstone 40 - for sand or similar sized aggregate including mixtures with sand.**
- C. EDGING (OPTIONAL) – Edging material may be wood, masonry, metal or plastic. Excavated soil can also be used but care should be taken to obtain the full thickness and avoid the creation of feathered edges.**

1.04 EQUIPMENT AND ADDITIONAL SUPPLIES

- A. SUPPLY PUMP – The pump shall be designed to have a minimum output of two gallons per minute with sufficient nozzle pressure for a multi-stream pattern.**
- B. HOSE – The hose shall be of adequate length to reach the width of the pathway and have an inner diameter of 5/8 to 1 inch.**
- C. NOZZLE – The hose nozzle or wand shall be designed to produce a multi-stream pattern having a width of 12 to 18 inches.**
- D. PUMP FLUSH – Pump flush shall be Klingstone Pump Flush.**
- E. SITE PROTECTIVE SUPPLIES – Polyethylene film, tape, stakes and rope shall be available to mask adjacent surfaces and restrict access during the application.**

F. PERSONAL PROTECTIVE EQUIPMENT – Rubber gloves, boots and protective eyewear shall be worn during the application.

PART 2. EXECUTION

2.01 PREPARATION

- A. ISOLATE – Rope-off and post the work areas.**
- B. EXCAVATION – Excavate to a minimum depth of two inches.**
- C. SUBGRADE – If the subgrade is not firm and cannot be compacted to make it firm, excavate deeper and add “crush and run” or similar material to achieve the stable base.**
- D. EDGING (optional) - Install edging to define the pathway.**
- E. MASKING – Mask all adjacent surfaces with polyethylene film to prevent staining.**

2.02 APPLICATION

- A. Spread the aggregate (two inch thickness) and smooth by raking and rolling. Aggregate shall be dry.**
- B. Apply Klingstone to saturate the aggregate. 10 to 20 square feet per gallon.**
- C. Allow material to cure.**

PART 3. COMPLETION

3.01 CLEAN-UP

- A. Completely flush pump, hose and nozzle with Pump Flush.**
- B. Refill excavated edges.**
- C. Remove masking, isolation rope and postings.**
- D. Remove all debris, tools and unused material from the job site.**