9.6 Grout

Sand for grout: Colour (Natural Grey), grading and source shall be determined so as to closely match the granite background material colour; and subject to approval of samples.

Colour: Grout colour to match existing grout. Provide evidence that sufficient quantity of sand is available so as to provide consistency of colour for grouting mixes. Keep any stockpiled sand dry.

Characteristic compressive strength: Compressive strength of the granite pavers.

Grout Jointing:
- Mix Lanko 701 grout to manufacturer's specifications & screed into paving gaps
- Wipe excess off paving surface and clean surface with damp sponge
- Joint size to be 5mm nominal; ± 2mm

Carry out jointing and pointing simultaneously to form a homogenous bed. Raked to a depth to match existing surrounding pavers.

9.7 Surface Treatments

Surface sealing after cleaning: Seal exposed faces of stone to protect the material from soiling.

Apply two coats of Spirit Marble and Tile Care “Water Based Premium Seal” as per manufacturer’s specification to paving surface. The use of acid for cleaning the stonework is forbidden, as the acid will stain the stone material.

Cleaning: Leave the stonework clean on completion

9.8A Slab Expansion Joints

General: All Expansion & Isolation Joints must be reinstated in their original locations and/or receive prior approval for new locations by City of Perth, City Design Engineers.

Isolation Joints: 7mm nominal joint; to depth of slab, filled with joint filler.

Expansion Joints: Dowels: R20mm smooth round bars at 300mm centres, 65mm depth from top of slab. 3mm Saw cut: to 45mm depth from top of slab. 7mm Widening Saw cut: that may expand up to 17mm and contract due to thermal movement up to 2mm, to 40mm depth from top of slab.

Filler material: Use compatible sealant and bond breaking backing materials that are non-staining to masonry. Do not use bituminous materials with absorbent masonry units.
- Back-up rods: Closed cell polyethylene
- Primer: As recommended by the manufacturer; and
- Elastomeric sealant: Single component polyurethane

9.8B Pavement Expansion Joints

General: Provide expansion joints in the granite paving that corresponds to all structural joints in the concrete substrate.

Expansion joints in stone paving located over structural joints to be 15mm wide preformed joint of Maxiseal mastic with stainless steel (305) side walls. For detail of expansion joint refer: Design and Construction Note 10.32b

Supplier code: DC103.12 (Supplier list: 10.30)

Installation of joint: Install preformed joint in accordance with the manufacturer’s recommendations, including masking the joints. Top of the joint filler colour shall match the adjacent grouted joints.

9.9 Curing

Opening the works area to traffic can only be done once appropriate time has been permitted for all adhesives and sealants to cure. These time listed below are to be measured from the completion of works:

- Pedestrian traffic: 7 days
- Vehicle traffic: 28 days