

## PART 1 - GENERAL

- 1.1 RELATED SECTIONS .1 Section 08 11 14 - Metal Doors and Frames.  
.2 Section 09 91 23 – Interior Painting.  
.3 Section 07 92 10 - Joint Sealing.
- 1.2 REFERENCES .1 CSA A179-04 (R2009), Mortar and Grout for Unit Masonry.  
.2 ASTM C1107 / C1107M - 11 Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink).  
.3 S304.1-04 (R2010) - Design of Masonry Structures  
.4 CAN/CSA-A371-04 (R2009) - Masonry Construction for Buildings
- 1.3 SUBMITTALS .1 Product Data.  
.1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 – Submittal Procedures.  
.2 Submit two copies of WHMIS MSDS -Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures. Indicate VOC's mortar, grout, parging, colour additives and admixtures.  
.2 Samples.  
.1 Submit samples in accordance with Section 01 33 00.  
.2 Submit two samples of mortar types to be incorporated in the work.  
.3 Manufacturer's Instructions.  
.1 Submit manufacturer's installation instructions.
- 1.4 QUALITY ASSURANCE .1 Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.  
.1 Submit reports to Departmental representative for approval.  
.2 Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.  
.3 Pre-Installation Meetings: conduct pre-installation meeting to verify project requirements, manufacturer's installation instructions and manufacturer's warranty requirements.
- 1.5 WASTE MANAGEMENT AND DISPOSAL .1 Separate and recycle waste materials in accordance with Section 01 74 22.

## PART 2 - PRODUCTS

- 2.1 MATERIALS
- .1 Use same brands of materials and source of aggregate for entire project.
  - .2 Grout to: ASTM C1107 / C1107M - 11 grade classification A, non-metallic, non-shrink, gassing grout composed of Portland cement, gassing and flow agents, and graded siliceous sand.
  - .3 Colour: ground coloured natural aggregates or metallic oxide pigments.
  - .4 Standard of acceptance: 'SIKA' M-Bed Standard.
- 2.2 MIXES
- .1 Mix grout to dry pack consistency for placement with trowel in core drilled holes in existing poured concrete walls).
  - .2 Mix grout to plastic consistency for use in and around door frames and steel angles/anchoring devices.

## PART 3 - EXECUTION

- 3.1 MANUFACTURER'S INSTRUCTIONS
- .1 Comply with manufacturer's written technical data.
- 3.2 CONSTRUCTION
- .1 Do grout work in accordance with CSA A179 except where specified otherwise.
  - .2 Grout:
    - .1 Mixing Grout: Thoroughly mix grout in a power mixer for a period of not less than 5 minutes after all materials have been placed in mixer. To manufacturer's recommendations.
    - .2 Discard grout not used within 1½ hours after water is first added.
    - .3 Grouting operations shall meet requirements of CAN3-S304 and CAN3 A371.
    - .4 Drill minimum of 3-4mm diameter anchors in core drilled openings to assure that grout-when set up- cannot be dislodged.
    - .5 Place (trowel) grout in openings using manufacturer's recommendations.
    - .6 Pour grout through purpose made openings in steel door frames.
    - .7 Insure complete filling of space.
- 3.3 CLEANING
- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

END