

PART 1 - GENERAL

- | | | |
|--|----|--|
| <u>1.1 REFERENCES</u> | .1 | Canada Green Building Council (CaGBC)
.1 LEED Canada-NC-2009, LEED (Leadership in Energy and Environmental Design): Green Building Rating System Reference Package For New Construction and Major Renovations. |
| | .2 | Health Canada / Workplace Hazardous Materials Information System (WHMIS)
.1 Material Safety Data Sheets (MSDS). |
| <u>1.2 ACTION AND INFORMATIONAL SUBMITTALS</u> | .1 | Submit in accordance with Section 01 33 00 - Submittal Procedures. |
| | .2 | Product Data:
.1 Submit manufacturer's instructions, printed product literature and data sheets for concrete hardener and curing compound and include product characteristics, performance criteria, physical size, finish and limitations.
.2 Submit electronic copies of WHMIS MSDS in accordance with Section 01 35 29.06 - Health and Safety Requirements. |
| | .3 | Sustainable Design Submittals:
.1 LEED Canada-NC-2009 - Submittals: in accordance with Section 01 35 21 - LEED Requirements. |
| <u>1.3 DELIVERY, STORAGE AND HANDLING</u> | .1 | Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions. |
| | .2 | Develop Construction Waste Management Plan related to Work of this Section and in accordance with Section 01 35 21 - LEED Requirements. |
| | .3 | Packaging Waste Management: remove for reuse and return by manufacturer of pallets, crates, padding, and packaging materials as specified |

PART 2 - PRODUCTS

- 2.1 GENERAL .1 Sealer and hardener to meet the VOC limits of SCAQMD Rule 1113-2004.
- .2 Hardeners: 0/g L maximum VOC content.
- .3 Sealer: < 250g/L.
- 2.2 NON-PIGMENTED FLOOR HARDENER .1 Non-metallic hardener: premixed, mineral aggregate type, dry shake surface hardener, cement to hardener ratio as per manufacturer's written instructions. Colour: natural.
- 2.3 PIGMENTED FLOOR HARDENER .1 Hardener: mineral aggregate type, pigmented, premixed, dry shake surface hardener, cement to hardener ratios as per manufacturer's written instructions. Colour to be selected from manufacturer's standard range.
- 2.4 SEALER .1 Water-based acrylic concrete cure and seal.
- .2 Non-yellowing, water: clear, high-gloss acrylic emulsion, as recommended by hardener manufacturer.

PART 3 - EXECUTION

- 3.1 EXAMINATION .1 Verification of Conditions: verify conditions of substrate previously installed under other Sections or Contracts are acceptable for concrete hardener and curing compound application installation in accordance with manufacturer's written instructions.
- .1 Visually inspect substrate.
- .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
-

- 3.1 EXAMINATION .1 (Cont'd)
(Cont'd) .3 Proceed with installation only after unacceptable conditions have been remedied.
- 3.2 HARDENING .1 Apply floor hardener aggregate at rates indicated in reviewed submittals in accordance with manufacturer's written instructions.
- 3.3 CLEANING .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
.1 Leave Work area clean at end of each day.
.2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
.3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal and Section 01 35 21 - LEED Requirements.
.1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.
- 3.4 PROTECTION .1 Protect finished installation until floor treatment has completely cured.
.2 Repair damage to adjacent materials caused by concrete floor hardener installation.