

PART 1 – GENERAL

1.1 GENERAL INSTRUCTIONS

- .1 Read and be governed by conditions of the *Contract Documents*, including sections of Division 1.

1.2 REFERENCE DOCUMENTS

- .1 American Society for Testing and Materials (ASTM):
 - .1 ASTM D1227-95 (2007) Standard Specification for Emulsified Asphalt Used as a Protective Coating for Roofing
 - .2 ASTM D4479-07 Standard Specification for Asphalt Roof Coatings - ;Asbestos-Free
 - .3 ASTM D4586-07 Standard Specification for Asphalt Roof Cement, Asbestos-Free
- .2 Canada Green Building Council (CaGBC):
 - .1 LEED Canada 2009 Rating System LEED Canada for New Construction and Major Renovations. LEED Canada for Core and Shell Development. Website: www.cagbc.org

1.3 SUBMITTALS

- .1 Comply with requirements of Division 01.
- .2 Product Data:
 - .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Provide two copies of most recent data sheets describing materials' physical properties and include product characteristics, performance criteria, physical size, finish and limitations.
 - .3 Provide two copies of MSDS for all products and indicate VOC content.

1.4 DELIVERY, STORAGE, AND HANDLING

- .1 Waste Management and Disposal:
 - .1 Separate waste materials for [reuse] [and] [recycling] in accordance with Section 01 74 19 - Management and Disposal.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Emulsion Type Damp proofing Coating: Asphaltic, water-based emulsion damp proofing, asbestos free, designed for application to exterior side of below grade foundations and walls, containing no solvents in accordance with ASTM D1227 and as follows:
 - .1 Application Temperature: 10°C

- .2 Grade: [Spray Type III or II, Class 1] [Brush Type II, Class 1] [Trowel Type II, Class 1].
- .3 VOC Content: Maximum 30 g/L (less water and exempt solvents).
- .2 Cutback Type Damp proofing Coating: Asphaltic, solvent based damp proofing, asbestos free, designed for application to exterior side of below grade foundations and walls in accordance with [ASTM D4479] [ASTM D4586] and as follows:
 - .1 Application Temperature: 2°C
 - .2 Grade: [Spray Type I] [Brush Type I] [Trowel Type I, Class 1].
 - .3 VOC Content: maximum 250 g/l.

2.2 ACCESSORIES

- .1 Joint Sealing Compound: as recommended by damp proofing manufacturer.
- .2 Primer: as recommended by damp proofing manufacturer.
- .3 Patching Compound: fibred mastic compound as recommended by damp proofing manufacturer.
- .4 Reinforcing fabric: asphalt coated fabric as recommended by damp proofing manufacturer.

PART 3 - EXECUTION

3.1 PROTECTION

- .1 Protect adjoining surfaces from soiling during application.

3.2 EXAMINATION

- .1 Examine substrates and verify that surface smoothness, moisture emissions and other conditions affecting performance of materials specified in this Section complies with the damp proofing manufacturer's recommended substrate requirements.

3.3 PREPARATION

- .1 Protect and mask adjoining exposed surfaces from being stained, spotted or coated with damp proofing; prevent damp proofing materials from entering or clogging weep holes, drains and perimeter drainage systems.
- .2 Seal exterior joints between foundation walls and footings, joints between concrete floor slab and foundation and around penetrations through damp proofing with sealing compound and reinforcing fabric before applying damp proofing.
- .3 Clean substrates, remove projections; fill voids and apply bond breakers (if required), and apply primer as recommended by damp proofing manufacturer

3.4 APPLICATION

- .1 Apply damp proofing to provide a continuous, uniform coating to entire exterior faces of foundation walls from 50 mm below finish grade level to and including tops of foundation wall footings:
 - .1 Do not permit damp proofing to extend onto surfaces exposed to view in final construction.
 - .2 Reinforce changes in direction greater than 45° at intersections, projecting surfaces, internal and external corners, changes in plane, and across construction joints, cracks and

- honeycombing; apply additional coat of damp proofing material to embed reinforcing fabric into primary damp proofing membrane; extend reinforcing fabric 200 mm to each side of areas requiring reinforcing.
- .3 Allow for additional coats to achieve required coating.
 - .4 Provide sufficient drying time between successive coatings.
 - .5 Provide drying time according to manufacturer's recommendations before backfilling. Allow for a range of ambient temperatures and humidity.
- .2 Use cutback asphalt materials at temperatures below 5°C.
 - .3 Use either cutback or emulsified asphalt materials, at Contractor's option, when surfaces and ambient air will be minimum 5°C for 72 hours before application, during application and for curing period.
 - .4 Seal holes around pipes and other services passing through dampproofed surfaces by using joint sealing compound applied in accordance with manufacturer's directions.

3.5 CLEANING

- .1 Damp proofing materials shall be removed from surfaces not intended to receive damp proofing.

END OF SECTION