

Part 1 General

1.1 SECTION INCLUDES

- .1 Materials and installation of bituminous dampproofing on outside face of foundation walls.

1.2 RELATED SECTIONS

- .1 Section 01 33 00 - Submittal Procedures
- .2 Section 01 74 19 - Construction/Demolition Waste Management And Disposal
- .3 Section 01 51 00 - Temporary Utilities
- .4 Section 01 61 00 - Common Product Requirements

1.3 REFERENCES

- .1 Canadian General Standards Board (CGSB):
 - .1 CAN/CGSB 37.5-M89 – Cutback Asphalt Plastic Cement
 - .2 CGSB 37-GP-6Ma-83 – Asphalt, Cutback, Unfilled, for Dampproofing
- .2 Health Canada:
 - .1 Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS)

1.4 PRODUCT DATA

- .1 Submit product data in accordance with Section 01 33 00.
- .2 Submit product data sheets for bituminous dampproofing products, including:
 - .1 Product characteristics.
 - .2 Performance criteria.
 - .3 Application methods.
 - .4 Limitations.
- .3 Submit WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, handle, store and protect materials in accordance with Section 01 61 00.
 - .1 Provide and maintain dry, off-ground weatherproof storage.
 - .2 Store materials on supports to prevent deformation.
 - .3 Remove only in quantities required for same day use.
 - .4 Store materials in accordance with manufacturer's written instructions.

1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for recycling in accordance with Section 01 74 19.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, and other packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .4 Ensure emptied containers are sealed and stored safely.
- .5 Fold up metal banding, flatten and place in designated area for recycling.
- .6 Divert unused bituminous dampproofing, sealing compounds and asphalt primer materials from landfill to recycling facility.

1.7 SITE ENVIRONMENTAL REQUIREMENTS

- .1 Temperature, relative humidity, moisture content.
 - .1 Apply dampproofing materials only when surfaces and ambient temperatures are within manufacturers' prescribed limits.
 - .2 Do not proceed with Work when wind chill effect would tend to set bitumen before proper curing takes place.
 - .3 Maintain air temperature and substrate temperature at dampproofing installation area above 5 degrees C for 24 hours before, during and 24 hours after installation.
 - .4 Do not apply dampproofing in wet weather.
- .2 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials, and regarding labelling and provision of Material Safety Data Sheets (MSDS) acceptable to Labour Canada.

Part 2 Products

2.1 MATERIALS

- .1 Dampproofing: asphalt based to CGSB 37-GP-6Ma; quality grade; solvent base; non-fibrated; of medium paint consistency; capable of being applied during low temperatures without detrimental effects to dampproofing properties; acceptable materials:
 - .1 No. 501 Foundation Coating manufactured by W. R. Meadows.
 - .2 No. 710-07 Coating manufactured by Bakor.
 - .3 Permaquik 6200 manufactured by Permaquik (Canada) Ltd.
- .2 Sealing compound: plastic cutback asphalt cement to CAN/CGSB-37.5.
- .3 Primer: type recommended by dampproofing manufacturer to suit substrate and weather conditions.

Part 3 Execution

3.1 WORKMANSHIP

- .1 Keep hot asphalt:
 - .1 Below its flash point.
 - .2 At or below its final blowing temperature.
 - .3 Within its equiviscous temperature range at place of application.

3.2 PREPARATION

- .1 Before applying dampproofing seal exterior joints between foundation walls and footings, and joints between new foundation and existing foundations with sealing compound.
- .2 Prime concrete surfaces prior to applying dampproofing, at times when air temperature falls below 5° C. Apply primer in accordance with manufacturer's directions.

3.3 APPLICATION

- .1 Apply dampproofing in accordance with manufacturer's directions, at a rate of 1.5 m²/litre to 3.0 m²/litre, depending upon porosity of concrete surfaces.
- .2 Apply continuous, uniform coating to entire exterior faces of foundation walls from Ground Floor Level 100.00 to and including tops of foundation wall footings.
- .3 Apply an additional coat of dampproofing to corners and at junctions with existing foundation walls, for a minimum width of 230 mm on each side.

END OF SECTION