

**PART 1 GENERAL**

1.1 References

- .1 Canadian General Standards Board (CGSB).
  - .1 CAN/CGSB-37.2-M88, Emulsified Asphalt, Mineral-Colloid Type, Unfilled, for Dampproofing and Waterproofing and for Roof Coatings.
  - .2 CAN/CGSB 37.3-M89, Application of Emulsified Asphalts for Dampproofing or Waterproofing.
  - .3 CAN/CGSB 37.5-M89, Cement, Plastic, Cutback Asphalt.
  - .4 CGSB 37-GP-6Ma-83, Asphalt, Cutback, Unfilled, for Dampproofing.
  - .5 CGSB 37-GP-9Ma-83, Primer, Asphalt, Unfilled, for Asphalt Roofing, Dampproofing and Waterproofing.
  - .6 CGSB 37-GP-11M-76(R1984), Application of Cutback Asphalt Plastic Cement.
  - .7 CGSB 37-GP-12Ma-84, Application of Unfilled Cutback Asphalt for Dampproofing.
  - .8 CGSB 37-GP-15M-76(R1984), Application of Asphalt Primer for Asphalt Roofing, Dampproofing and Waterproofing.
  - .9 CAN/CGSB 37.16-M89, Filled, Cutback, Asphalt, for Dampproofing and Waterproofing.
  - .10 CAN/CGSB 37.28-M89, Reinforced, Mineral Colloid Type Emulsified, Asphalt for Roof Coatings and for Waterproofing.
  - .11 CGSB 37-GP-36M-76, Application of Filled Cutback Asphalts for Dampproofing and Waterproofing.
  - .12 CGSB 37-GP-37M-77, Application of Hot Asphalt for Dampproofing or Waterproofing.
- .2 Canadian Standards Association (CSA).
  - .1 CSA A123.4-M1979(R1992), Bitumen for Use in Construction of Built-Up Roof Coverings and Dampproofing and Waterproofing Systems.

1.2 Submittals

- .1 Submit proof of manufacturer's CCMC Listing and listing number to Contract Administrator.
- .2 Manufacturer's Instructions: Provide to indicate special handling criteria, installation sequence and cleaning procedures.

1.3 Product Data

- .1 Submit product data in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Submit WHMIS MSDS – Material Safety Data Sheets. WHMIS acceptable to Labour Canada and Health and Welfare Canada.
- .3 Submit product data sheets for bituminous Dampproofing products. Include:
  - .1 Product characteristics.
  - .2 Performance criteria.

- .3 Application methods.
- .4 Limitations.
- 1.4 Delivery, Storage And Handling
  - .1 Deliver, handle, store and protect materials of this section in accordance with Section 01 61 00 – Product Requirements.
  - .2 Provide and maintain dry, off-ground weatherproof storage.
  - .3 Store materials on supports to prevent deformation.
  - .4 Remove only in quantities required for same day use.
  - .5 Store materials in accordance with manufacturer’s written instructions.
- 1.5 Project/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 the 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°C for 24 hours before, during and after installation.
    - .4 Do not apply dampproofing in wet weather.
  - .2 Safety: Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage and disposal of asphalt, sealing compounds, primers and caulking materials.
  - .3 Ventilation:
    - .1 Ventilate area of Work as directed by Contract Administrator.
    - .2 Ventilate enclosed spaces in accordance with Section 01 51 00 - Temporary Utilities.
- PART 2 PRODUCTS**
- 2.1 Materials
  - .1 Asphalt:
    - .1 Acceptable materials: “Bakelite 710-11”, “SCP Insul-Mastic 7101”, or approved equal in accordance with B7.
    - .2 Asphalt primer: to CAN/CGSB-37.2.
      - .1 Acceptable materials: “Bakelite 910-01”, “SCP Insul-Mastic 7501”, compatible with substrate or approved equal in accordance with B7.
- 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:

.1 Seal exterior joints between foundation walls and footings, joints between concrete floor slab and foundation and around penetrations through dampproofing with sealing compound.

3.3 Application

.1 Do dampproofing in accordance with CAN/CGSB-37.3 except where specified otherwise.

.2 Do sealing Work in accordance with CGSB 37-GP-11M except where specified otherwise.

.3 Do priming of surface in accordance with CGSB 37-GP-15M except where specified otherwise.

.4 Apply primer.

.5 Apply dampproofing in accordance with applicable CGSB application standard.

Material		Application
CAN/CGSB-37.2	use	CAN/CGSB-37.3
CGSB 37-GP-6Ma	use	CGSB-37-GP-12M
CAN/CGSB-37.16	use	CGSB-37-GP-36M
CAN/CGSB-37.28	use	CAN/CGSB-37.3
CSA A123.4	use	CGSB-37-GP-37M

3.4 Schedule

.1 Apply continuous, uniform coating to entire exterior faces of foundation walls from 50 mm below finished grade level to and including tops of foundation wall footings unless indicated otherwise.

.2 Apply continuous, uniform coating to exterior side of foundation walls enclosing rooms below finished grade. Include exterior portion of interior walls where floors in adjacent rooms are at different elevations.

.3 Apply two additional coats of dampproofing to vertical corners and construction joints for a minimum width of 230 mm on each side, and all around and for 230 mm along pipes and through walls.