

1.0 GENERAL

.1 Requirements Include

- .1 Other below grade waterproofing as required by design configuration and water table indicated in the Geotechnical Report.
- .2 Materials not identified in these standards must be identified and approved by the Owner and be approved by the Authority Having Jurisdiction.

.2 BCIT Sustainability Requirements

- .1 Sustainability Goals - Mandatory Compliance: comply with allowable VOC levels for all adhesives, sealants, Paints and other coatings as outlined in Division 01.

.3 References

- .1 British Columbia Building Code, current adopted edition.

2.0 QUALITY ASSURANCE

.1 Requirements

- .1 Provide either spray applied or sheet waterproofing.
- .2 Source Quality Control: Waterproofing shall be from a single manufacturer and all products within the system specified shall be compatible.
- .3 Ensure compatibility with products in Section 07.25.00 Weather Barriers where systems are interconnected.

3.0 MATERIALS

.1 Performance Requirements

- .1 General: Provide waterproofing system that prevents passage of moisture and complies with physical requirements as demonstrated by testing performed by independent testing agency of manufacturer's current waterproofing formulations and system design.
- .2 Coordinate with others to ensure details and adjacent materials are compatible to not negatively impact performance of materials.

.2 Liquid Applied Waterproofing

- .1 Manufacturers
 - .1 Subject to compliance with specifications the following manufacturers are acceptable:
 - .1 Bakor.
 - .2 Custom Building Products.

Consultants are to provide complete specifications, and review these Technical Standards documents to include BCIT requirements within the specifications as applicable to the project.

- .3 Epro Waterproofing Systems Inc.
 - .4 Tremco or approved substitution.
 - .2 Materials
 - .1 Waterproofing: Single component, polymer-modified asphalt material suitable for spray application.
 - .3 Protection Board
 - .1 Protection Board: 3 mm (1/8 inch) thick, semi-rigid board composed of a mineral fortified asphaltic core formed between two saturated fibreglass felts.
Acceptable Product: Sopraboard by Soprema, or approved substitution.
- .3 Composite Sheet Drainage Materials**
 - .1 Vertical Applications:
 - .1 Dimpled composite mat with high density polyethylene (HDPE) core and HDPE layers on outside.
 - .2 Subject to compliance with specifications, the following products are acceptable:
 - .1 Delta-MS by Cosella-Dorken.
 - .2 Or approved substitution.
 - .2 Horizontal Applications – Type 1:
 - .1 Drainage composite consisting of polypropylene drainage core of fused entangled filaments onto which a geocomposite fabric is factory laminated.
 - .2 Acceptable products:
 - .1 Sopradrain Eco-Vent by Soprema.
 - .2 Or approved substitution.
 - .3 Horizontal Applications – Type 2 (Traffic areas below concrete topping):
 - .1 Drainage composite consisting of polypropylene drainage core with a woven heavy-duty polypropylene filter fabric.
 - .2 Acceptable products:
 - .1 Sopradrain 18-G by Soprema.
 - .2 Or approved alternative.

*** END OF **BELOW GRADE WATERPROOFING** SECTION ***