



**MATERIAL SPECIFICATION FOR REINFORCEMENT
USED WITH HOT-APPLIED RUBBERIZED ASPHALT
WATERPROOFING MEMBRANE**

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1217.01	SCOPE

This specification covers the material requirements for reinforcement used with hot-applied rubberized asphalt (HRA) waterproofing membranes.

1217.02 REFERENCES

This specification refers to the following standards, specifications, or publications:

Ontario Provincial Standard Specifications, Construction:

OPSS 914 Waterproofing Bridge Decks and Culverts with Hot-Applied Rubberized Asphalt Waterproofing Membrane

ASTM International

D1777-96 (2019)	Test Method for Thickness of Textile Materials
D3776/D3776M-20	Test Method for Mass Per Unit Area (Weight) of Fabric
D4533/D4533M-15	Test Method for Trapezoid Tearing Strength of Geotextiles
D4632/D4632M-15a	Test Method for Grab Breaking Load and Elongation of Geotextiles

1217.03 DEFINITIONS

For the purpose of this specification, the following definitions apply:

Hot-Applied Rubberized Asphalt (HRA) Waterproofing Membrane means as defined in OPSS 914.

1217.05 MATERIAL

1217.05.01 Membrane Reinforcement

Membrane reinforcement shall be a non-woven polyester material meeting the requirements specified in Table 1.

The membrane reinforcement product used shall be as recommended by the HRA waterproofing membrane manufacturer.

1217.07 PRODUCTION

1217.07.01 Labeling

Each meter of membrane reinforcement shall be labelled with the product name and grade.

1217.08 QUALITY ASSURANCE

1217.08.01 Sampling and Lot Size

Sampling and lot size for the membrane reinforcement shall be according to OPSS 914.

1217.08.02 Acceptance of Reinforcement

The membrane reinforcement shall be acceptable if the requirements of this specification are met.

A lot shall be deemed to be acceptable if all the test results for the sample of membrane reinforcement representing the lot meets the acceptance requirements specified in Table 1. Unacceptable lots shall be rejected.

TABLE 1
Membrane Reinforcement Properties

Property	Acceptance Requirement	Test Method
Colour	White	Not applicable
Unit Weight (g/m ²)	46	ASTM D3776
Thickness (mm)	0.26 ± 0.02	ASTM D1777
Grab Tensile (N) MD x XD	131 x 98	ASTM D4632
Trapezoid Tear (N) MD x XD	28 x 35	ASTM D4533

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