## Section 5.9. Standards

## 5.9.1. Applicable Standards

## 5.9.1.1. Compliance with Applicable Standards

- 1) Except as provided in Sentence (2) and elsewhere in this Part, materials and components, and their installation, shall conform to the requirements of the applicable standards in Table 5.9.1.1. where those materials or components are
  - a) incorporated into environmental separators or assemblies exposed to the exterior, and
  - b) installed to fulfill the requirements of this Part.

(See Note A-5.9.1.1.(1).)

**2)** The requirements for *flame-spread ratings* contained in thermal insulation standards shall be applied only as required in Part 3.

Table 5.9.1.1.

Standards Applicable to Environmental Separators and Assemblies Exposed to the Exterior
Forming Part of Sentence 5.9.1.1.(1)

Issuing	Issuing D. Title of D. Title o				
Agency	Document Number	Title of Document			
ASME	B18.6.1	"Wood Screws (Inch Series)"			
ASTM	A 123/A 123M	"Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products"			
ASTM	A 153/A 153M	"Zinc Coating (Hot-Dip) on Iron and Steel Hardware"			
ASTM	A 653/A 653M	"Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process"			
ASTM	C 4	"Clay Drain Tile and Perforated Clay Drain Tile"			
ASTM	C 73	"Calcium Silicate Brick (Sand-Lime Brick)"			
ASTM	C 126	"Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units"			
ASTM	C 212	"Structural Clay Facing Tile"			
ASTM	C 412M	"Concrete Drain Tile (Metric)"			
ASTM	C 444M	"Perforated Concrete Pipe (Metric),"			
ASTM	C 553	"Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications"			
ASTM	C 612	"Mineral Fiber Block and Board Thermal Insulation"			
ASTM	C 700	"Standard Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated"			
ASTM	C 726	"Mineral Wool Roof Insulation Board"			
ASTM	C 834(1)	"Latex Sealants"			
ASTM	C 840	"Application and Finishing of Gypsum Board"			
ASTM	C 920(1)	"Elastomeric Joint Sealants"			
ASTM	C 991	"Flexible Fibrous Glass Insulation for Metal Buildings"			
ASTM	C 1002	"Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs"			
ASTM	C 1177/C 1177M	"Glass Mat Gypsum Substrate for Use as Sheathing"			
ASTM	C 1178/C 1178M	"Coated Glass Mat Water-Resistant Gypsum Backing Panel"			
ASTM	C 1184 <sup>(1)</sup>	"Structural Silicone Sealants"			
ASTM	C 1311 <sup>(1)</sup>	"Solvent Release Sealants"			
ASTM	C 1330 <sup>(1)</sup>	"Cylindrical Sealant Backing for Use with Cold Liquid-Applied Sealants"			
ASTM	C 1396/C 1396M <sup>(2)</sup>	"Gypsum Board"			
ASTM	C 1658/C 1658M <sup>(3)</sup>	"Glass Mat Gypsum Panels"			

Table 5.9.1.1. (continued)
Standards Applicable to Environmental Separators and Assemblies Exposed to the Exterior
Forming Part of Sentence 5.9.1.1.(1)

Issuing Agency	Document Number	Title of Document
ASTM	D 1227	"Emulsified Asphalt Used as a Protective Coating for Roofing"
ASTM	D 2178/D 2178M	"Asphalt Glass Felt Used in Roofing and Waterproofing"
ASTM	D 3019 <sup>(4)</sup>	"Lap Cement Used with Asphalt Roll Roofing, Non-Fibered, Asbestos-Fibered, and Non-Asbestos-Fibered"
ASTM	D 4479/D 4479M	"Asphalt Roof Coatings – Asbestos-Free"
ASTM	D 4637/D 4637M	"EPDM Sheet Used In Single-Ply Roof Membrane"
ASTM	D 4811/D 4811M	"Nonvulcanized (Uncured) Rubber Sheet Used as Roof Flashing"
ASTM	D 6878/D 6878M	"Thermoplastic Polyolefin Based Sheet Roofing"
ASTM	E 2190	"Insulating Glass Unit Performance and Evaluation"
BNQ	BNQ 3624-115	"Polyethylene (PE) Pipe and Fittings – Flexible Pipes for Drainage – Characteristics and Test Methods"
CGSB	CAN/CGSB- 11.3-M	"Hardboard"
CGSB	CAN/CGSB- 11.5-M	"Hardboard, Precoated, Factory Finished, for Exterior Cladding"
CGSB	CAN/CGSB- 12.1-M	"Tempered or Laminated Safety Glass"
CGSB	CAN/CGSB- 12.2-M	"Flat, Clear Sheet Glass"
CGSB	CAN/CGSB- 12.3-M	"Flat, Clear Float Glass"
CGSB	CAN/CGSB- 12.4-M	"Heat Absorbing Glass"
CGSB	CAN/CGSB-12.8	"Insulating Glass Units"
CGSB	CAN/CGSB- 12.10-M	"Glass, Light and Heat Reflecting"
CGSB	CAN/CGSB- 12.11-M	"Wired Safety Glass"
CGSB	37-GP-9Ma	"Primer, Asphalt, Unfilled, for Asphalt Roofing, Dampproofing and Waterproofing"
CGSB	CAN/CGSB- 37.50-M	"Hot-Applied, Rubberized Asphalt for Roofing and Waterproofing"
CGSB	CAN/CGSB-37.54	"Polyvinyl Chloride Roofing and Waterproofing Membrane"
CGSB	37-GP-56M	"Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing"
CGSB	CAN/CGSB- 37.58-M	"Membrane, Elastomeric, Cold-Applied Liquid, for Non-Exposed Use in Roofing and Waterproofing"
CGSB	CAN/CGSB-41.24	"Rigid Vinyl Siding, Soffits and Fascia"
CGSB	CAN/CGSB- 51.32-M	"Sheathing, Membrane, Breather Type"
CGSB	CAN/CGSB- 51.33-M	"Vapour Barrier Sheet, Excluding Polyethylene, for Use in Building Construction"
CGSB	CAN/CGSB- 51.34-M	"Vapour Barrier, Polyethylene Sheet for Use in Building Construction"
CGSB	CAN/CGSB- 93.1-M	"Sheet, Aluminum Alloy, Prefinished, Residential"
CGSB	CAN/CGSB- 93.2-M	"Prefinished Aluminum Siding, Soffits, and Fascia, for Residential Use"

Table 5.9.1.1. (continued)
Standards Applicable to Environmental Separators and Assemblies Exposed to the Exterior
Forming Part of Sentence 5.9.1.1.(1)

CGSB CANCGSB-93.4 Prefinished Galvanized and Aluminum-Zinc Alloy Steel Sheet for Residential Use* 93.3.4 Says Prefinished Galvanized Steel and Aluminum-Zinc Alloy Coated Steel Sliding, Soffits and Fascia, Prefinished. Residential* CGA A23.1 "Concrete Materials and Methods of Concrete Construction* CGA CANCGSA-A82 "Fired Masonry Brick Made from Clay or Shale* CGA CANCGA-A823.4 "Natural Airflow Ventilators for Buildings* CGA CANCGA-A83.4" "Natural Airflow Ventilators for Buildings* CGA CANCGA-A123.5 "Asphalt Shingles Made From Organic Felt and Surfaced with Mineral Granules/Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules/Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules/Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules Asphalt Shingles Made From Granic Felt and Surfaced with Mineral Granules Asphalt Shingles Made From Granic Felt and Surfaced with Mineral Granules Asphalt Shingles Made From Granic Felt and Surfaced with Mineral Granules Asphalt Shingles Made From Granic Felt and Surfaced with Mineral Granules Asphalt Shingle Asphalt Shingle Mage Material Shingle Asphalt Shingle As	Issuing Agency	Document Number	Title of Document
CSA A23.1 "Concrete Materials and Methods of Concrete Construction" CSA CANCSA-A82 "Fired Masonry Brick Made from Clay or Shale" CSA CANS-A93-M "Natural Airflow Ventilators for Buildings" CSA A123.1/A123.5 "Asphalt Shingles Made From Organic Felt and Surfaced with Mineral Granules/Asphalt Shingles Made From Organic Felt and Surfaced with Mineral Granules/Asphalt Shingles Made From Glay or Shale" CSA CANCSA-A123.2 "Asphalt-Coated Roofing Sheets" CSA CANCSA-A123.3 "Asphalt Coated Roofing Sheets" CSA CANCSA-A123.3 "Asphalt Coated Roofing Sheets" CSA CANASA-A123.5 "Asphalt Glass Felt Used in Roofing and Waterproofing Systems" CSA CANASA-A123.5-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper" CSA CANASA-123.5-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper" CSA CANASA-123.5-M "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3" CSA A165.1 "Concrete Block Masonry Units" CSA A165.2 "Concrete Brick Masonry Units" CSA A165.3 "Prefaced Concrete Masonry Units" CSA A179 "Mortar and Grout for Unit Masonry" CSA CAN/CSA-A220 "Concrete Roof Tiles" CSA A371 "Masonry Construction for Buildings" CSA A371 "Masonry Construction for Buildings" CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings" CSA G401 "Corrugated Steel Pipe Products" CSA CAN/CSA-O80 Series "Wood Preservation" CSA O118.1 "Western Red Cedar Shakes and Shingles" CSA O118.1 "Western Red Cedar Shakes and Shingles" CSA O118.1 "Western Red Cedar Shakes and Shingles" CSA O119 "Construction Softwood Plywood" CSA O150 "Construction Softwood Plywood" CSA O151 "Canadian Softwood Plywood" CSA O152 "Construction Softwood Plywood" CSA O153 "Poplar Plywood" CSA O154 "Construction Softwood Plywood" CSA O155 "Construction Sheathing" CSA O156 "Construction Sheathing" CSA O157 "Construction Sheathing" CSA O158 and Waterboard" HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood" UC CAN/UC-S703 "Cellulose Fibre Insulation for Buildings" UC CAN/UC-S705 "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density -	CGSB		"Prefinished Galvanized and Aluminum-Zinc Alloy Steel Sheet for Residential Use"
CSA         CAN/CSA-A82         "Fired Masonry Brick Made from Clay or Shale"           CSA         CAN3-A93-M         "Natural Airflow Ventilators for Buildings"           CSA         A123.1/A123.5         "Asphalt Shingles Made From Organic Felt and Surfaced with Mineral Granules"           CSA         CAN/CSA-A123.2         "Asphalt Coated Roofing Sheets"           CSA         A123.3         "Asphalt Saturated Organic Roofing Felt"           CSA         CAN/CSA-A123.4         "Asphalt Glass Felt Used in Roofing and Waterproofing"           CSA         CAN3-A123.51-M         "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper"           CSA         CAN3-A123.52-M         "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3"           CSA         CAN3-A123.52-M         "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3"           CSA         A165.1         "Concrete Block Masonry Units"           CSA         A165.2         "Concrete Block Masonry Units"           CSA         A165.3         "Prefaced Concrete Masonry Units"           CSA         A179         "Mortar and Grout for Unit Masonry"           CSA         A371         "Masonry Construction for Buildings"           CSA         A371         "Structural Quality Steel"           CSA         GAN/CSA-B182.1         "Plastic Drain and Se	CGSB	CAN/CGSB-93.4	· · · · · · · · · · · · · · · · · · ·
CSA CAN3-A93-M "Natural Airflow Ventilators for Buildings"  SA A123.1/A123.5 "Asphalt Shingles Made From Organic Felt and Surfaced with Mineral Granules/Asphalt Shingles Made From Granic Felt and Surfaced with Mineral Granules (CSA CAN/CSA-A123.2 "Asphalt-Coated Roofing Sheets"  CSA A123.3 "Asphalt Saturated Organic Roofing Felt"  CSA CAN/CSA-A123.4 "Asphalt for Constructing Built-Up Roof Coverings and Waterproofing Systems"  CSA CAN3-A123.5-1-M "Asphalt Glass Felt Used in Roofing and Waterproofing Gystems"  CSA CAN3-A123.5-1-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper"  CSA CAN3-A123.5-1-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper"  CSA CAN3-A123.5-1-M "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3"  CSA A165.1 "Concrete Block Masonry Units"  CSA A165.2 "Concrete Brick Masonry Units"  CSA A165.3 "Prefaced Concrete Masonry Units"  CSA A179 "Mortar and Grout for Unit Masonry"  CSA CAN/CSA-A200 "Concrete Roof Tiles"  CSA A371 "Masonry Construction for Buildings"  CSA A3001 "Cementitious Materials for Use in Concrete"  CSA CAN/CSA-B12.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.21 "Structural Quality Steel"  CSA G40.21 "Structural Quality Steel"  CSA CAN/CSA-O80 "Canster Masonry Construction Concrete"  CSA CAN/CSA-O80 "Series "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.1 "Softwood Lumber"  CSA O141 "Softwood Lumber"  CSA O151 "Conadian Softwood Plywood"  CSA O151 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  UC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  Thermal Insulation — Spray Applied Rigid Polyurethane Foam, Medium Density – Material — Specification"  Thermal Insulation — Spray Applied Rigid Polyurethane Foam, Medium Density – Material — Specification"	CSA	A23.1	"Concrete Materials and Methods of Concrete Construction"
CSA A123.1/A123.5 "Asphalt Shingles Made From Organic Felt and Surfaced with Mineral Granules/Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules' CSA CAN/CSA-A123.2 "Asphalt-Coated Roofing Sheets' CSA A123.3 "Asphalt Saturated Organic Roofing Felt' CSA CAN/CSA-A123.4 "Asphalt for Constructing Built-Up Roof Coverings and Waterproofing Systems' CSA CAN3-A123.41" "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper' CSA CAN3-A123.52-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper' CSA CAN3-A123.52-M "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3" CSA A165.1 "Concrete Block Masonry Units" CSA A165.2 "Concrete Brok Masonry Units" CSA A165.3 "Prefaced Concrete Masonry Units" CSA A165.3 "Prefaced Concrete Masonry Units" CSA A179 "Mortar and Grout for Unit Masonry' CSA CAN/CSA-A220 "Concrete Roof Tiles'" CSA A301 "Masonry Construction for Buildings" CSA A3001 "Cementitious Materials for Use in Concrete" CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings' CSA G40.21 "Structural Quality Steer" CSA G40.1 "Corrugated Steel Pipe Products" CSA G40.1 "Wood Preservation" CSA O118.1 "Western Red Cedar Shakes and Shingles' CSA O118.2 "Eastern White Cedar Shakes and Shingles' CSA O118.1 "Softwood Lumber' CSA O153 "Poplar Plywood" CSA O325 "Construction Sheathing" CSA O325 "Construction Sheathing" CSA O325 "Construction Sheathing" CSA O326 "Construction Sheathing" CSA O327 "Thermal Insulation, Polystyrene, Boards and Pipe Covering" ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings' Thermal Insulation, Polystyrene, Boards and Ployisocyanurate, Boards, Faced" Thermal Insulation, Polystyrene, Boards Religible Polyurethane Foam, Medium Density – Material – Specification" Thermal Insulation, Polystyrene, Boards Religible Polyurethane Foam, Medium Density – Material – Specification"	CSA	CAN/CSA-A82	"Fired Masonry Brick Made from Clay or Shale"
Made From Glass Felt and Surfaced with Mineral Granules"  CSA A123.3 "Asphalt-Coated Roofing Sheets"  CSA A123.3 "Asphalt Saturated Organic Roofing Felt"  CSA A123.17 "Asphalt Glass Felt Used in Roofing and Waterproofing Systems"  CSA A123.17 "Asphalt Glass Felt Used in Roofing and Waterproofing Systems"  CSA CAN3-A123.1-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper"  CSA CAN3-A123.52-M "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3"  CSA A165.1 "Concrete Block Masonry Units"  CSA A165.2 "Concrete Block Masonry Units"  CSA A165.3 "Perfaced Concrete Masonry Units"  CSA A165.3 "Perfaced Concrete Masonry Units"  CSA A179 "Mortar and Grout for Unit Masonry"  CSA CAN/CSA-A220 "Concrete Roof Tiles"  CSA A371 "Masonry Construction for Buildings"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G401 "Structural Quality Steel"  CSA G401 "Corrugated Steel Pipe Products"  CSA C18.1 "Western Red Cedar Shakes and Shingles"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O118.1 "Connain Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O325 "Construction Sheathing"  CSA O325 "Construction Sheathing"  CSA O325 "Construction Sheathing"  CSA O326 "Construction Sheathing"  CSA O327 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S703.1 "Thermal Insulation, Polystyrene, Boards and Plye Covering"  ULC CAN/ULC-S704 "Thermal Insulation, Polystyrene, Boards and Plye Soar, Read"  Thermal Insulation, Polystyrene, Boards and Ployscoyanurate, Boards, Faced"  "Thermal Insulation, Polystyrene, Boards Rigid Polyurethane Foam, Medium Density – Material – Specification"  "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA	CAN3-A93-M	"Natural Airflow Ventilators for Buildings"
CSA A123.3 "Asphalt Saturated Organic Roofing Felt"  CSA CAN/CSA-A123.4 "Asphalt for Constructing Built-Up Roof Coverings and Waterproofing Systems"  CSA A123.17 "Asphalt Glass Felt Used in Roofing and Waterproofing"  CSA CAN3-A123.51-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper"  CSA A165.1 "Concrete Block Masonry Units"  CSA A165.1 "Concrete Brick Masonry Units"  CSA A165.3 "Prefaced Concrete Masonry Units"  CSA A179 "Mortar and Grout for Unit Masonry"  CSA A371 "Masonry Construction for Buildings"  CSA A371 "Masonry Construction for Buildings"  CSA A371 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.1 "Corrugated Steel Pipe Products"  CSA G40.1 "Corrugated Steel Pipe Products"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O141 "Softwood Lumber"  CSA O153 "Poplar Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O326 "Construction Sheathing"  CSA O327 "Thermal Insulation, Polystyrene, Boards and Ploysocyanurate, Boards, Faced"  Thermal Insulation, Polystyrethane and Polysocyanurate, Boards, Faced"  Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	A123.1/A123.5	"Asphalt Shingles Made From Organic Felt and Surfaced with Mineral Granules/Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules"
CSA CAN/CSA-A123.4 "Asphalt for Constructing Built-Up Roof Coverings and Waterproofing Systems"  CSA A123.17 "Asphalt Glass Felt Used in Roofing and Waterproofing"  CSA CAN3-A123.51-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper"  CSA A165.1 "Concrete Block Masonry Units"  CSA A165.2 "Concrete Brick Masonry Units"  CSA A165.3 "Prefaced Concrete Masonry Units"  CSA A165.3 "Prefaced Concrete Masonry Units"  CSA A179 "Mortar and Grout for Unit Masonry"  CSA CAN/CSA-A220 "Concrete Roof Tiles"  CSA A371 "Masonry Construction for Buildings"  CSA A371 "Masonry Construction for Buildings"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.21 "Structural Quality Steel"  CSA G40.21 "Structural Quality Steel"  CSA CAN/CSA-808 "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O121 "Douglas Fir Plywood"  CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O151 "Canadian Softwood Plywood"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O37.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  "Thermal Insulation, Polystyrene and Polyisocyanurate, Boards, Faced"  "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"	CSA	CAN/CSA-A123.2	"Asphalt-Coated Roofing Sheets"
CSA A123.17 "Asphalt Glass Felt Used in Roofing and Waterproofing" CSA CAN3-A123.51-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper" CSA CAN3-A123.52-M "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3" CSA A165.1 "Concrete Block Masonry Units" CSA A165.2 "Concrete Brick Masonry Units" CSA A165.3 "Prefaced Concrete Masonry Units" CSA A165.3 "Prefaced Concrete Masonry Units" CSA A179 "Mortar and Grout for Unit Masonry" CSA CAN/CSA-A220 "Concrete Roof Tiles" CSA A371 "Masonry Construction for Buildings" CSA A3001 "Cementitious Materials for Use in Concrete" CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings" CSA G40.21 "Structural Quality Steel" CSA G40.21 "Structural Quality Steel" CSA G40.21 "Structural Quality Steel" CSA GA01 "Corrugated Steel Pipe Products" CSA CAN/CSA-O80 Series "Wood Preservation" CSA O118.1 "Western Red Cedar Shakes and Shingles" CSA O118.2 "Eastern White Cedar Shingles" CSA O118.1 "Softwood Lumber" CSA O141 "Softwood Lumber" CSA O153 "Poplar Plywood" CSA O153 "Poplar Plywood" CSA O153 "Poplar Plywood" CSA O437.0 "OSB and Waferboard" HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood" ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings" "Thermal Insulation, Polystyrene, Boards and Pipe Covering" "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"  "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	A123.3	"Asphalt Saturated Organic Roofing Felt"
CSA CAN3-A123.51-M "Asphalt Shingle Application on Roof Slopes 1:3 and Steeper" CSA CAN3-A123.52-M "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3" CSA A165.1 "Concrete Block Masonry Units" CSA A165.2 "Concrete Brick Masonry Units" CSA A165.3 "Prefaced Concrete Masonry Units" CSA A179 "Mortar and Grout for Unit Masonry" CSA CAN/CSA-A220 "Concrete Roof Tiles" CSA A371 "Masonry Construction for Buildings" CSA A3001 "Cementitious Materials for Use in Concrete" CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings" CSA G40.21 "Structural Quality Steel" CSA G401 "Corrugated Steel Pipe Products" CSA G401 "Corrugated Steel Pipe Products" CSA O118.1 "Western Red Cedar Shakes and Shingles" CSA O118.2 "Eastern White Cedar Shingles" CSA O118.1 "Softwood Lumber" CSA O141 "Softwood Lumber" CSA O151 "Canadian Softwood Plywood" CSA O153 "Poplar Plywood" CSA O325 "Construction Sheathing" CSA O325 "Construction Sheathing" CSA O325 "Construction Sheathing" CSA O337.0 "OSB and Waferboard" HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood" ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering" ULC CAN/ULC-S704 "Thermal Insulation, Polystyrene, Boards, Faced" Thermal Insulation, Polysurethane and Polyisocyanurate, Boards, Faced" Thermal Insulation, Polyruethane and Polyisocyanurate, Boards, Faced" Thermal Insulation, Polyruethane and Polyisocyanurate, Boards, Faced" Thermal Insulation, Polyruethane and Polysocyanurate, Boards, Faced" Thermal Insulation, Polyruethane Foam, Medium Density – Material – Specification"	CSA	CAN/CSA-A123.4	"Asphalt for Constructing Built-Up Roof Coverings and Waterproofing Systems"
CSA CAN3-A123.52-M "Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3"  CSA A165.1 "Concrete Block Masonry Units"  CSA A165.2 "Concrete Brick Masonry Units"  CSA A165.3 "Prefaced Concrete Masonry Units"  CSA A179 "Mortar and Grout for Unit Masonry"  CSA CAN/CSA-A220 "Concrete Roof Tiles"  CSA A371 "Masonry Construction for Buildings"  CSA A3001 "Cementitious Materials for Use in Concrete"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.21 "Structural Quality Steel"  CSA G401 "Corrugated Steel Pipe Products"  CSA G401 "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O118.1 "Boftwood"  CSA O153 "Poplar Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S702 "Mineral Fiber Insulation, Polystyrene, Boards and Plye Cown, Medium Density – Material –  Specification"  "Thermal Insulation, Polystrethane and Polyisocyanurate, Boards, Faced"	CSA	A123.17	"Asphalt Glass Felt Used in Roofing and Waterproofing"
CSA A165.1 "Concrete Block Masonry Units" CSA A165.2 "Concrete Brick Masonry Units" CSA A165.3 "Prefaced Concrete Masonry Units" CSA A179 "Mortar and Grout for Unit Masonry" CSA CAN/CSA-A220 "Concrete Roof Tiles" CSA A371 "Masonry Construction for Buildings" CSA A371 "Masonry Construction for Buildings" CSA A3001 "Cementitious Materials for Use in Concrete" CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings" CSA G40.21 "Structural Quality Steel" CSA G401 "Corrugated Steel Pipe Products" CSA G401 "Corrugated Steel Pipe Products" CSA O118.1 "Western Red Cedar Shakes and Shingles" CSA O118.2 "Eastern White Cedar Shingles" CSA O121 "Douglas Fir Plywood" CSA O141 "Softwood Lumber" CSA O153 "Poplar Plywood" CSA O153 "Poplar Plywood" CSA O325 "Construction Sheathing" CSA O437.0 "OSB and Waferboard" HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood" ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings" ULC CAN/ULC-S704 "Thermal Insulation Polystyrene, Boards and Polysocyanurate, Boards, Faced" ULC CAN/ULC-S704 "Thermal Insulation Polystyrene and Polysocyanurate, Boards, Faced" ULC CAN/ULC-S704 "Thermal Insulation Polysurethane and Polysocyanurate, Boards, Faced" "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	CAN3-A123.51-M	"Asphalt Shingle Application on Roof Slopes 1:3 and Steeper"
CSA A165.1 "Concrete Block Masonry Units" CSA A165.2 "Concrete Brick Masonry Units" CSA A165.3 "Prefaced Concrete Masonry Units" CSA A179 "Mortar and Grout for Unit Masonry" CSA CAN/CSA-A220 "Concrete Roof Tiles" CSA A371 "Masonry Construction for Buildings" CSA A371 "Masonry Construction for Buildings" CSA A3001 "Cementitious Materials for Use in Concrete" CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings" CSA G40.21 "Structural Quality Steel" CSA G401 "Corrugated Steel Pipe Products" CSA G401 "Corrugated Steel Pipe Products" CSA O118.1 "Western Red Cedar Shakes and Shingles" CSA O118.2 "Eastern White Cedar Shingles" CSA O121 "Douglas Fir Plywood" CSA O141 "Softwood Lumber" CSA O153 "Poplar Plywood" CSA O153 "Poplar Plywood" CSA O325 "Construction Sheathing" CSA O437.0 "OSB and Waferboard" HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood" ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings" ULC CAN/ULC-S704 "Thermal Insulation Polystyrene, Boards and Polysocyanurate, Boards, Faced" ULC CAN/ULC-S704 "Thermal Insulation Polystyrene and Polysocyanurate, Boards, Faced" ULC CAN/ULC-S704 "Thermal Insulation Polysurethane and Polysocyanurate, Boards, Faced" "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	CAN3-A123.52-M	"Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3"
CSA A165.3 "Prefaced Concrete Masonny Units"  CSA A179 "Mortar and Grout for Unit Masonny"  CSA CAN/CSA-A220 "Concrete Roof Tiles"  CSA A371 "Masonry Construction for Buildings"  CSA A3001 "Cementitious Materials for Use in Concrete"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.21 "Structural Quality Steel"  CSA G401 "Corrugated Steel Pipe Products"  CSA G401 "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O118.1 "Softwood Lumber"  CSA O141 "Softwood Lumber"  CSA O153 "Poplar Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S704 "Thermal Insulation, Polystretane and Polyisocyanurate, Boards, Faced"  "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  "Thermal Insulation — Spray Applied Rigid Polyurethane Foam, Medium Density — Material — Specification"  "Thermal Insulation — Spray Applied Rigid Polyurethane Foam, Medium Density — Material — Specification"  "Thermal Insulation — Spray Applied Rigid Polyurethane Foam, Medium Density — Material — Specification"	CSA	A165.1	
CSA A179 "Mortar and Grout for Unit Masonry"  CSA CAN/CSA-A220 "Concrete Roof Tiles"  CSA A371 "Masonry Construction for Buildings"  CSA A3001 "Cementitious Materials for Use in Concrete"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.21 "Structural Quality Steel"  CSA G40.1 "Corrugated Steel Pipe Products"  CSA CAN/CSA-O80 "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O121 "Douglas Fir Plywood"  CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	A165.2	"Concrete Brick Masonry Units"
CSA CAN/CSA-A220 "Concrete Roof Tiles"  CSA A371 "Masonry Construction for Buildings"  CSA A3001 "Cementitious Materials for Use in Concrete"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.21 "Structural Quality Steel"  CSA G40.1 "Corrugated Steel Pipe Products"  CSA CAN/CSA-O80 Series "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O121 "Douglas Fir Plywood"  CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	A165.3	"Prefaced Concrete Masonry Units"
CSA A371 "Masonry Construction for Buildings"  CSA A3001 "Cementitious Materials for Use in Concrete"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.21 "Structural Quality Steel"  CSA G40.1 "Corrugated Steel Pipe Products"  CSA G40.1 "Corrugated Steel Pipe Products"  CSA CAN/CSA-O80 "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O121 "Douglas Fir Plywood"  CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"  "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	A179	"Mortar and Grout for Unit Masonry"
CSA A3001 "Cementitious Materials for Use in Concrete"  CSA CAN/CSA-B182.1 "Plastic Drain and Sewer Pipe and Pipe Fittings"  CSA G40.21 "Structural Quality Steel"  CSA G401 "Corrugated Steel Pipe Products"  CSA CAN/CSA-O80 "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O121 "Douglas Fir Plywood"  CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"	CSA	CAN/CSA-A220	"Concrete Roof Tiles"
CSA       A3001       "Cementitious Materials for Use in Concrete"         CSA       CAN/CSA-B182.1       "Plastic Drain and Sewer Pipe and Pipe Fittings"         CSA       G40.21       "Structural Quality Steel"         CSA       G401       "Corrugated Steel Pipe Products"         CSA       G401       "Corrugated Steel Pipe Products"         CSA       O118.1       "Wood Preservation"         CSA       O118.2       "Eastern White Cedar Shakes and Shingles"         CSA       O121       "Douglas Fir Plywood"         CSA       O121       "Softwood Lumber"         CSA       O151       "Canadian Softwood Plywood"         CSA       O153       "Poplar Plywood"         CSA       O325       "Construction Sheathing"         CSA       O437.0       "OSB and Waferboard"         HPVA       ANSI/HPVA HP-1       "Hardwood and Decorative Plywood"         ULC       CAN/ULC-S701       "Thermal Insulation, Polystyrene, Boards and Pipe Covering"         ULC       CAN/ULC-S703       "Gellulose Fibre Insulation for Buildings"         ULC       CAN/ULC-S704       "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"         ULC       CAN/ULC-S705.1       "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Mater	CSA	A371	"Masonry Construction for Buildings"
CSA G40.21 "Structural Quality Steel" CSA G401 "Corrugated Steel Pipe Products"  CSA CAN/CSA-O80 Series "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles" CSA O118.2 "Eastern White Cedar Shingles" CSA O121 "Douglas Fir Plywood" CSA O141 "Softwood Lumber" CSA O151 "Canadian Softwood Plywood" CSA O153 "Poplar Plywood" CSA O325 "Construction Sheathing" CSA O437.0 "OSB and Waferboard" HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood" ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering" ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings" ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced" ULC CAN/ULC-S705.1 "Thermal Insulation, Polyurethane and Polyurethane Foam, Medium Density – Material – Specification"	CSA	A3001	"Cementitious Materials for Use in Concrete"
CSA G401 "Corrugated Steel Pipe Products"  CSA CAN/CSA-O80 Series "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O121 "Douglas Fir Plywood"  CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	CAN/CSA-B182.1	"Plastic Drain and Sewer Pipe and Pipe Fittings"
CSA CAN/CSA-O80 Series "Wood Preservation"  CSA O118.1 "Western Red Cedar Shakes and Shingles"  CSA O118.2 "Eastern White Cedar Shingles"  CSA O121 "Douglas Fir Plywood"  CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	G40.21	"Structural Quality Steel"
Series "Wood Preservation"  CSA 0118.1 "Western Red Cedar Shakes and Shingles"  CSA 0118.2 "Eastern White Cedar Shingles"  CSA 0121 "Douglas Fir Plywood"  CSA 0141 "Softwood Lumber"  CSA 0151 "Canadian Softwood Plywood"  CSA 0153 "Poplar Plywood"  CSA 0325 "Construction Sheathing"  CSA 0437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	G401	"Corrugated Steel Pipe Products"
CSA O118.2 "Eastern White Cedar Shingles"  CSA O121 "Douglas Fir Plywood"  CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA		"Wood Preservation"
CSA O121 "Douglas Fir Plywood" CSA O141 "Softwood Lumber" CSA O151 "Canadian Softwood Plywood" CSA O153 "Poplar Plywood" CSA O325 "Construction Sheathing" CSA O437.0 "OSB and Waferboard" HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood" ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering" ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings" ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings" ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced" ULC CAN/ULC-S705.1 "Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material - Specification"	CSA	O118.1	"Western Red Cedar Shakes and Shingles"
CSA O141 "Softwood Lumber"  CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA	O118.2	"Eastern White Cedar Shingles"
CSA O151 "Canadian Softwood Plywood"  CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA	O121	"Douglas Fir Plywood"
CSA O153 "Poplar Plywood"  CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA	O141	"Softwood Lumber"
CSA O325 "Construction Sheathing"  CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA	O151	"Canadian Softwood Plywood"
CSA O437.0 "OSB and Waferboard"  HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA	O153	"Poplar Plywood"
HPVA ANSI/HPVA HP-1 "Hardwood and Decorative Plywood"  ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA	O325	"Construction Sheathing"
ULC CAN/ULC-S701 "Thermal Insulation, Polystyrene, Boards and Pipe Covering"  ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	CSA	O437.0	"OSB and Waferboard"
ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	HPVA	ANSI/HPVA HP-1	"Hardwood and Decorative Plywood"
ULC CAN/ULC-S702 "Mineral Fibre Thermal Insulation for Buildings"  ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	ULC	CAN/ULC-S701	"Thermal Insulation, Polystyrene, Boards and Pipe Covering"
ULC CAN/ULC-S703 "Cellulose Fibre Insulation for Buildings"  ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"			
ULC CAN/ULC-S704 "Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"  ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"			
ULC CAN/ULC-S705.1 "Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification"	-		
			"Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material –
	ULC	CAN/ULC-S705.2	"Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Application"

### Table 5.9.1.1. (continued)

# Standards Applicable to Environmental Separators and Assemblies Exposed to the Exterior Forming Part of Sentence 5.9.1.1.(1)

Issuing Agency	Document Number	Title of Document
ULC	CAN/ULC-S706	"Wood Fibre Insulating Boards for Buildings"
ULC	CAN/ULC-S710.1	"Thermal Insulation – Bead-Applied One Component Polyurethane Air Sealant Foam, Part 1: Material Specification"
ULC	CAN/ULC-S711.1	"Thermal Insulation – Bead-Applied Two Component Polyurethane Air Sealant Foam, Part 1: Material Specification"

#### Notes to Table 5.9.1.1.:

- (1) See Note A-Table 5.9.1.1.
- (2) The *flame-spread rating* of gypsum board shall be determined in accordance with CAN/ULC-S102 in lieu of ASTM E 84 as indicated in ASTM C 1396/C 1396M.
- (3) The *flame-spread rating* of glass mat gypsum panels shall be determined in accordance with CAN/ULC-S102 in lieu of ASTM E 84 as indicated in ASTM C 1658/C 1658M.
- (4) For the purpose of compliance with Part 5, ASTM D 3019 shall only apply to the non-fibered and non-asbestos-fibered types of asphalt roll roofing.

# 5.9.2. Windows, Doors, Skylights, and Other Glazed Products

#### 5.9.2.1. General

- 1) This Subsection applies to windows, doors, skylights, and other glazed products and their components, that separate
  - a) interior space from exterior space, or
  - b) environmentally dissimilar interior spaces.
- **2)** For the purpose of this Subsection, the term "skylight" refers to unit skylights, roof windows and tubular daylighting devices.
- **3)** Windows, doors, skylights, other glazed products and their components that are required to have a *fire-protection rating* need not conform to this subsection. (See Note A-5.9.2.1.(3).)

## 5.9.2.2. Design and Construction

(See Note A-5.9.2.2.)

- 1) Windows, doors, skylights, and their components shall be designed and constructed in accordance with
- a) Subsection 5.1.4., Section 5.3., Section 5.4. and Section 5.6., or
- b) the following standards
  - i) AAMA/WDMA/CSA 101/I.S.2/A440, "NAFS North American Fenestration Standard/Specification for Windows, Doors, and Skylights," and
  - ii) except as permitted by Sentence (3), CSA A440S1, "Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440, NAFS – North American Fenestration Standard/Specification for Windows, Doors, and Skylights."

(See Note A-5.9.2.2.(1).)

- **2)** Other glazed products and their components shall be designed and constructed in accordance with Subsection 5.1.4., Section 5.3., Section 5.4. and Section 5.6. (See Note A-5.9.2.2.(2).)
- **3)** For the purposes of conformance with Subclause (1)(b)(ii), loads and procedures from Section 5.2 may be used instead of the loads and procedures set out in the standard. (See Note 5.9.2.2.(3).)

#### 5.9.2.3. Reserved

## 5.9.2.4. Heat Transfer

- **1)** Windows, doors and skylights shall meet the heat transfer performance requirements stated in Section 5.3. (See Note A-5.3.1.2.)
- **2)** Except as provided in Sentence (3), all metal-framed glazed assemblies separating interior *conditioned space* from interior unconditioned space or exterior space shall incorporate a thermal break to minimize condensation.
  - 3) Metal-framed glazed assemblies need not comply with Sentence (2) where these assemblies are
  - a) storm windows or doors, or
  - b) windows or doors that are required to have a *fire-protection rating*.

(See Note A-5.9.2.4.(3).)

## 5.9.3. Reserved

# 5.9.4. Exterior Insulation Finish Systems

# 5.9.4.1. Structural Loads, Heat Transfer, Air Leakage, Vapour Diffusion and Water Penetration

- 1) Exterior insulation finish systems and their components shall comply with
- a) Subsection 5.1.4. and Sections 5.3. to 5.6., and
- b) CAN/ULC-S716.1, "Exterior Insulation and Finish Systems (EIFS) Materials and Systems," where covered in the scope of that standard.

(See Note A-5.9.4.1.(1).)