THERMAFIBER®

MINERAL WOOL INSULATION SUBMITTAL SHEET

Contractor: _____ Date: _____

Project: _____

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ FireSpan® 40 **Formulation** ☐ Standard ☐ Formaldehyde-Free **Finish** ☐ Unfaced ☐ Foil ☐ Perforated Foil	**FireSpan® 40 Curtain Wall Insulation**	Semi-rigid board	Perimeter fire containment systems and thermal and acoustical applications	4.0 nominal	☐ 2" ☐ 3" ☐ 4" ☐ 5" ☐ 6" ☐ 7" ☐ 8"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.23 R = thickness divided by "k."	1, 2* *Note: minimum 4" thick Thermafiber® FireSpan® 40 is required in certain UL® and Intertek® design listings. Refer to listings for required thickness and type of FireSpan® insulation.

Standards Compliance*: ASTM C518, ASTM C612, ASTM C665, ASTM E136, CAN/ULC S114, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, CAN/ULC S102, ASTM E2307, CAN/ULC S115, ASTM C1338
*For more information on testing standards, please refer to Owens Corning® Thermafiber® FireSpan® Product Data Sheet, Pub. No. 10021129 and Owens Corning® Thermafiber® FireSpan® FF Product Data Sheet, Pub. No. 10023215.
Approved by: BSA 214-73-SM; BSA 782-81-SM
Accepted by: MEA 209-82-M, Vol. II; MEA 189-93-M; MEA 190-93-M

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ FireSpan® 90 **Formulation** ☐ Standard ☐ Formaldehyde-Free **Finish** ☐ Unfaced ☐ Foil ☐ Perforated Foil	**FireSpan® 90 Curtain Wall Insulation**	Semi-rigid board	Perimeter fire containment systems and thermal and acoustical applications	8.0 nominal	☐ 1" ☐ 2" ☐ 3" ☐ 4" ☐ 5" ☐ 6" ☐ 7" ☐ 8"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.23 R = thickness divided by "k."	1, 2, 3* *Note: minimum 2" thick Thermafiber® FireSpan® 90 is required in certain UL® and Intertek® design listings. Refer to listings for required thickness and type of FireSpan® insulation.

Standards Compliance*: ASTM C518, ASTM C612, ASTM C665, ASTM E136, CAN/ULC S114, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, CAN/ULC S102, ASTM E2307, CAN/ULC S115, ASTM C1338
*For more information on testing standards, please refer to Owens Corning® Thermafiber® FireSpan® Product Data Sheet, Pub. No. 10021129 and Owens Corning® Thermafiber® FireSpan® FF Product Data Sheet, Pub. No. 10023215.
Approved by: BSA 214-73-SM; BSA 338-81-SM; BSA 782-81-SM; BSA 980-81-SM
Accepted by: MEA 209-82-M, Vol. 2; MEA 189-93-M; MEA 190-93-M

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ FireSpan® 120 **Formulation** ☐ Standard ☐ Formaldehyde-Free **Finish** ☐ Unfaced ☐ Foil ☐ Perforated Foil	**FireSpan® 120 Curtain Wall Insulation**	Rigid board	Perimeter fire containment systems	12.0 pcf nominal	☐ 3"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.24 R = thickness divided by "k."	2,3* *See Intertek® design listings for requirements to achieve specific assembly fire ratings.

Standards Compliance*: ASTM C518, ASTM C612, ASTM C665, ASTM E136, CAN/ULC S114, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, CAN/ULC S102, ASTM E2307, CAN/ULC S115, ASTM C1338
*For more information on testing standards, please refer to Owens Corning® Thermafiber® FireSpan® Product Data Sheet, Pub. No. 10021129 and Owens Corning® Thermafiber® FireSpan® FF Product Data Sheet, Pub. No. 10023215.

Approved by: BSA 214-73-SM; BSA 338-81-SM; BSA 782-81-SM; BSA 980-81-SM
Accepted by: MEA 209-82-M, Vol. 2; MEA 189-93-M; MEA 190-93-M

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ Safing **Formulation** ☐ Standard ☐ Formaldehyde-Free **Finish** ☐ Unfaced ☐ Foil	**Safing Fire Containment Insulation**	Semi-rigid board	Installed in void between floor slab and FireSpan® spandrel insulation panel. Also used for protection at poke-throughs and continuous joint systems	☐ 4.0 actual ☐ 6.0 actual	☐ 1" ☐ 1.5" ☐ 2" ☐ 2.5" ☐ 3" ☐ 3.5" ☐ 4" ☐ 5" ☐ 6" ☐ 7"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.23 R = thickness divided by "k."	1, 2, 3, 4 * *See UL® and Intertek® design listings for requirements to achieve specific assembly fire ratings. UL® Reference = TYPE SAF

Standards Compliance*: ASTM C518, ASTM C612, ASTM C665, ASTM E136, CAN/ULC S114, ASTM E96, ASTM C1104, ASTM E84, CAN/ULC S102, ASTM E2307, ASTM E814 or UL 1479, UL 2079, CAN/ULC S115, ASTM C1338, ASTM E1966, E814

*For more information on testing standards, please refer to Owens Corning® Thermafiber® Safing Product Data Sheet, Pub. No. 10021130 and Owens Corning® Thermafiber® Safing FF Product Data Sheet, Pub. No. 10023216.

Approved by: BSA 39-74-SM
Accepted by: MEA 209-82-M, Vol 4

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ FireLedge® **Formulation** ☐ Standard ☐ Formaldehyde-Free	**FireLedge® Fabrication Board**	Foil-faced semi-rigid board ready for field fabrication	Perimeter fire containment systems	8.0 nominal	☐ 2"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.23 R = thickness divided by "k."	1, 2, 3 * *See UL® design listings for requirements to achieve specific assembly fire ratings.

Standards Compliance*: ASTM C518, ASTM C612, ASTM C665, ASTM E136, CAN/ULC S114, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, CAN/ULC S102, ASTM E2307, CAN/ULC S115, ASTM C1338

*For more information on testing standards, please refer to Owens Corning® Thermafiber® FireLedge® Product Data Sheet, Pub. No. 10021136.

Approved by: BSA 214-73-SM; BSA 338-81-SM; BSA 782-81-SM; BSA 980-81-SM
Accepted by: MEA 209-82-M, Vol. 2; MEA 189-93-M; MEA 190-93-M

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ Impasse® Hangers – Vertical ☐ Impasse® Hangers – Horizontal ☐ Impasse® GS Hangers - Vertical ☐ Impasse® GS Hangers - Horizontal	**Impasse® Hangers** *For more information, please refer to Owens Corning® Thermafiber® Impasse® Hangers and Locking Washers Product Data Sheet, Pub. No. 10021132.	For mechanical attachment of curtain wall insulation ——————— For mechanical attachment of continuous insulation	Perimeter fire containment systems ——————— Exterior continuous insulation	N/A	☐ 2" ☐ 2.5" ☐ 3" ☐ 3.5" ☐ 4" ☐ 4.5" ☐ 5"	N/A	1, 2, 3* *See UL® design listings for requirements to achieve specific assembly fire ratings.
☐ Impasse® 2.0 Hangers – Horizontal	**Impasse® 2.0 Hangers** *For more information, please refer to Owens Corning® Thermafiber® Impasse® 2.0 Hangers Product Data Sheet, Pub. No. 10025138.	For mechanical attachment of curtain wall insulation	Perimeter fire containment systems	N/A	☐ 3"	N/A	2, 3* *See Intertek design listings for requirements to achieve specific assembly fire ratings.
☐ Impasse® Locking Washers	**Impasse® Locking Washers** *For more information, please refer to Owens Corning® Thermafiber® Impasse® Hangers and Locking Washers Product Data Sheet, Pub. No. 10021132.	Used in conjunction with Impasse® Hangers to secure curtain wall insulation ——————— For mechanical attachment of continuous insulation	Perimeter fire containment systems ——————— Exterior continuous insulation	N/A	☐ One Size	N/A	1, 2, 3* *See UL® design listings for requirements to achieve specific assembly fire ratings.
☐ Spiral Anchors	**Spiral Anchors** *For more information, please refer to Owens Corning® Thermafiber® Spiral Anchors Product Data Sheet, Pub. No. 10021133.	Used to secure mullion covers	Perimeter fire containment systems	N/A	☐ 2 ¾" (for 1" mullion cover) ☐ 3 ¾" (for 2" mullion cover)	N/A	1, 2, 3* *See UL® design listings for requirements to achieve specific assembly fire ratings.

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ Mullion Cover Brackets	**Mullion Cover Brackets** *For more information, please refer to Owens Corning® Thermafiber® Mullion Cover Bracket Product Data Sheet, Pub. No. 10023245.	Alternative method for securing mullion covers	Perimeter fire containment systems	N/A	☐ 1 ⅞" width x 25" length	N/A	1, 2, 3* *See UL® and Intertek® design listings for requirements to achieve specific assembly fire ratings.
☐ Aluminum Foil Tape ☐ FSK Tape	**Thermafiber® Tapes** *For more information, please refer to Owens Corning® Thermafiber® Aluminum Foil & FSK Tapes Product Data Sheet, Pub. No. 10021138.	Tapes provide vapor seal for seams and edges of foil-faced mineral wool insulation	Various applications	N/A	**Aluminum Foil Tape** ☐ Width 2.5" ☐ Width 3" **FSK Tape** ☐ Width 2" ☐ Width 3" ☐ Width 4" ☐ Width 6"	N/A	N/A
☐ SAFB™ **Formulation** ☐ Standard ☐ Formaldehyde-Free	**SAFB™ (Sound Attenuation Fire Blankets)**	Fire-rated batt that improves STC ratings; unfaced	Fire-rated interior walls, floor, and ceiling assemblies	4.0 actual 2.5 nominal	☐ 1" ☐ 1.5" ☐ 2" ☐ 2.5" ☐ 3" ☐ 3.5" ☐ 4" ☐ 5" ☐ 6" ☐ 7"	N/A	1, 2, 3, 4* *See UL® design listings for requirements to achieve specific assembly fire ratings.

Standards Compliance*: NFPA 101 Class A-rated interior finish, ASTM C665, ASTM E136, CAN/ULC S114, ASTM C1104, ASTM E84, CAN/ULC S102, ASTM C1338

*For more information on testing standards, please refer to Owens Corning® Thermafiber® SAFB™ Product Data Sheet, Pub. No. 10021143 and Owens Corning® SAFB™ FF Product Data Sheet, Pub. No. 10022322.

Approved by: BSA 35-66-SM; BSA 173-77-SM; BSA 249-74-SM; BSA 34-66-SM
Accepted by: MEA 207-82-M, Vol.2

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ Fire & Sound Guard® Plus **Formulation** ☐ Standard ☐ Formaldehyde-Free	**Fire & Sound Guard® Plus**	Batt that provides thermal comfort, sound control, and fire resistance; unfaced	Interior and exterior walls, floors, and ceilings	2.5 nominal	☐ 2.5" — 10.0 ☐ 3.0" — 11.0 ☐ 3.5" — 13.0 ☐ 3.5" — 15.0 ☐ 5.5" — 21.0 ☐ 5.5" — 23.0 ☐ 6" — 24.0 ☐ 7.1" — 30.0		N/A

Standards Compliance*: NFPA 101 Class A-rated interior finish, ASTM C518, ASTM C665, ASTM E136, CAN/ULC S114, ASTM E96, ASTM C1104, ASTM E84, CAN/ULC S102, ASTM C1338

*For more information on testing standards, please refer to Owens Corning® Thermafiber® Fire & Sound Guard® Plus Product Data Sheet, Pub. No. 10025220 and Owens Corning® Fire & Sound Guard® Plus FF Product Data Sheet, Pub. No. 10025715.

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ RainBarrier®	**RainBarrier® Continuous Insulation**	Semi-rigid board, unfaced	Exterior continuous insulation	6.0 nominal	☐ 1" ☐ 1.5" ☐ 2" ☐ 2.5" ☐ 3" ☐ 3.5" ☐ 4" ☐ 5" ☐ 6" ☐ 7" ☐ 8"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.23 R = thickness divided by "k."	N/A
	Standards Compliance*: ASTM C612, ASTM C665, ASTM C795, ASTM E136, CAN/ULC S114, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, CAN/ULC S102, ASTM C1338 *For more information on testing standards, please refer to Owens Corning® Thermafiber® RainBarrier® Product Data Sheet, Pub. No. 10021139.						
☐ RainBarrier® Dark®	**RainBarrier® Dark® Continuous Insulation**	Semi-rigid board with black fiberglass facing; provides camouflaging in open-joint facade systems	Exterior continuous insulation	6.0 nominal	☐ 2" ☐ 2.5" ☐ 3" ☐ 3.5" ☐ 4" ☐ 5" ☐ 6" ☐ 7" ☐ 8"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.23 R = thickness divided by "k."	N/A
	Standards Compliance*: ASTM C518, ASTM C612, ASTM C665, ASTM C795, ASTM E136, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, ASTM C1338, ICC-ES AC28 Section 4.1.2 UV Exposure with ASTM D224 Color Evaluation *For more information on testing standards, please refer to Owens Corning® Thermafiber® RainBarrier® Dark® Product Data Sheet, Pub. No. 10025102.						
☐ RainBarrier® Dark® Black Fiberglass Rolls	**RainBarrier® Dark® Black Fiberglass Rolls** *For more information, please refer to Owens Corning® Thermafiber® RainBarrier® Dark® Insulation Accessories Technical Bulletin, Pub. No. 10025348.	Rolls provide coverage of seams and edges when used in combination with spray adhesive	Exterior continuous insulation	N/A	☐ Width 6"	N/A	N/A
☐ RainBarrier® Clip	**RainBarrier® Clip** *For more information, please refer to Owens Corning® Thermafiber® RainBarrier® Clip Product Data Sheet, Pub. No. 10021142.	Clips for mechanical attachment of continuous insulation	Exterior continuous insulation	N/A	☐ One Size	N/A	N/A

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS		THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ RainBarrier® ci HC 80	**RainBarrier® ci High Compressive 80 Continuous Insulation**	Rigid sheathing board, unfaced	Exterior continuous insulation where cladding supports are installed outboard of the mineral wool in light weight cladding assemblies	8.0 nominal	☐ 1.5" ☐ 2" ☐ 2.5" ☐ 3" ☐ 3.5" ☐ 4" ☐ 5" ☐ 6"		Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.24 R = thickness divided by "k."	N/A
	Standards Compliance*: ASTM C518, ASTM C612, ASTM C165, ASTM C665, ASTM C795, ASTM E136, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, ASTM C1338, ASTM C1304							
	*For more information on testing standards, please refer to Owens Corning® Thermafiber® RainBarrier® ci High Compressive (80) Product Data Sheet, Pub. No. 10023723.							
☐ RainBarrier® ci HC Plus 110	**RainBarrier® ci High Compressive Plus 110 Continuous Insulation**	Rigid sheathing board, unfaced	Exterior continuous insulation where cladding supports are installed outboard of the mineral wool in medium weight cladding assemblies	11.0 nominal	☐ 1.25" ☐ 1.5" ☐ 2" ☐ 2.5" ☐ 3" ☐ 3.5" ☐ 4"		Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.24 R = thickness divided by "k."	N/A
	Standards Compliance*: ASTM C518, ASTM C612, ASTM C165, ASTM C665, ASTM C795, ASTM E136, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, ASTM C1338, ASTM C1304							
	*For more information on testing standards, please refer to Owens Corning® Thermafiber® RainBarrier® ci High Compressive Plus (110) Product Data Sheet, Pub. No. 10023499.							
☐ RainBarrier® ci HC Max 140	**RainBarrier® ci High Compressive Max 140 Continuous Insulation**	Rigid sheathing board, unfaced	Exterior continuous insulation where cladding supports are installed outboard of the mineral wool in heavy weight cladding assemblies	14.0 nominal	☐ 1" ☐ 1.5" ☐ 2" ☐ 2.5" ☐ 3" ☐ 3.5" ☐ 4"		Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.24 R = thickness divided by "k."	N/A
	Standards Compliance*: ASTM C518, ASTM C612, ASTM C165, ASTM C665, ASTM E136, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, ASTM C1338, ASTM C1304, ASTM C795							
	*For more information on testing standards, please refer to Owens Corning® Thermafiber® RainBarrier® ci High Compressive Max Product Data Sheet, Pub. No. 10023500.							

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE		FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ VersaBoard® 35 ☐ VersaBoard® 40 ☐ VersaBoard® 60 ☐ VersaBoard® 80 **Finish:** ☐ Unfaced ☐ Foil ☐ Perforated Foil ☐ White Foil ☐ Black Fiberglass Mat	**VersaBoard® Multi-Purpose Commercial Insulation**	Semi-rigid board, faced or unfaced	Various commercial construction applications where a fire rated system is not required	☐ 3.5 actual	☐ 1.5"	VB35	VB40, 60, 80	N/A
				☐ 4.0 actual	☐ 2"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/ HR.SQ FT. °F = 0.24 R = thickness divided by "k."	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/ HR.SQ FT. °F = 0.23 R = thickness divided by "k."	
					☐ 2.5"			
					☐ 3"			
				☐ 6.0 actual	☐ 3.5"			
					☐ 4"			
				☐ 8.0 actual	☐ 5"			
					☐ 6"			
					☐ 7"			
					☐ 8"			

Standards Compliance*: ASTM C518, ASTM C612, NFPA 101 Class A-rated interior finish, ASTM C665, ASTM E136, CAN/ULC S114, ASTM E96, ASTM C1104, ASTM C356, ASTM E84, CAN/ULC S102, ASTM C1338

*For more information on testing standards, please refer to Owens Corning® Thermafiber® VersaBoard® Product Data Sheet, Pub. No. 10021145.

CHECK APPLICABLE	THERMAFIBER® PRODUCT	DESCRIPTION	USES	DENSITY PCF	THICKNESS	THERMAL RESISTANCE R-VALUE	FIRE CONTAINMENT ASSEMBLIES (HOURS)
☐ TopStop®	**TopStop® Head of Wall Insulation**	Insulation used in fire-rated assemblies to firestop head of wall construction	Insulation for metal or concrete decking. Commonly used in UL® approved head of wall construction	6.0 actual	☐ 5/8"	Tested to ASTM C518 "K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F = 0.23 R = thickness divided by "k."	1, 2, 3* *See UL® design listings for requirements to achieve specific assembly fire ratings.
					☐ 1.25"		
					☐ 1.5"		
					☐ 2"		
					☐ 3"		

Standards Compliance*: ASTM C518, ASTM C665, ASTM E136, CAN/ULC S114, ASTM C1104, ASTM E84, CAN/ULC S102, ASTM C1338, ASTM E1966, ASTM E814, and UL 2079

*For more information on testing standards, please refer to Owens Corning® Thermafiber® TopStop® Product Data Sheet, Pub. No. 10021147.

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For Further Information

For any additional information about these or other Thermafiber® mineral wool insulation products, contact us at 1-888-834-2371 or visit our website www.owenscorning.com/thermafiber.

Notice