

SUBMITTAL SHEET

Residential and Commercial Insulation Products

Submitted to _____

Job name _____

Submitted by _____

Date _____

This Submittal Form will assist you in selecting and specifying the proper CertainTeed Insulation products for your upcoming project. For further information or technical assistance, contact your local CertainTeed representative.

Residential Products

Products are regionally available under Sustainable Insulation™ and Insulpure® fiberglass Insulation product lines.

Unfaced Building Insulation

Manufactured in widths to permit pressure-fit installation. Used with a separate vapor retarder or where no vapor retarder is required or recommended.

Product Details*

	R-Value	Nominal Thickness	R-Value	Nominal Thickness
<input type="checkbox"/>	11	3-1/2"	23	5-1/2"
<input type="checkbox"/>	13	3-1/2"	25	8"
<input type="checkbox"/>	15	3-1/2"	30C**	8-1/4"
<input type="checkbox"/>	19	6-1/4"	30	10"
<input type="checkbox"/>	20	5-1/2"	38C**	10-1/4"
<input type="checkbox"/>	21	5-1/2"	38	12"
<input type="checkbox"/>	22	6-1/2"	49	15"

**Cathedral Ceiling Batt

Applicable Standards:

Complies with ASTM C665, Type I. Is noncombustible, meeting test criteria of ASTM E136. Thermal performance determined by ASTM C653 and C518.

Residential and Commercial Insulation Products

Kraft-Faced Building Insulation

Manufactured with a kraft paper facing with a vapor permeance rating of 1.0 or less. Includes stapling flanges.

Product Details*

	R-Value	Nominal Thickness	R-Value	Nominal Thickness
<input type="checkbox"/>	11	3-1/2"	25	8"
<input type="checkbox"/>	13	3-1/2"	30C**	8-1/4"
<input type="checkbox"/>	15	3-1/2"	30	10"
<input type="checkbox"/>	19	6-1/4"	38C**	10-1/4"
<input type="checkbox"/>	20	5-1/2"	38	12"
<input type="checkbox"/>	21	5-1/2"	49	15"
<input type="checkbox"/>	22	6-1/2"		

**Cathedral Ceiling Batt

Applicable Standards:

Complies with ASTM C665, Type II, Class C, Category 1. Thermal performance determined by ASTM C653 and C518.

SpeedyR™ Kraft Faced Building Insulation

Manufactured with a kraft paper facing with a vapor permeance rating of 1.0 or less. No stapling required.

Product Details*

	R-Value	Nominal Thickness
<input type="checkbox"/>	13	3-1/2"
<input type="checkbox"/>	19	6-1/4"
<input type="checkbox"/>	21	5-1/2"
<input type="checkbox"/>	23	5-1/2"

Applicable Standards:

Complies with ASTM C665, Type II, Class C, Category 1. Thermal performance determined by ASTM C653 and C518.

Residential and Commercial Insulation Products

Basement Wall Insulation

Available with perforated white flame-resistant polypropylene or foil facings. Used to insulate walls of unfinished crawlspaces and basements. Flame spread rating is 25 or less. Available in 48" and 72" widths.

Product Details*

	R-Value	Nominal Thickness
<input type="checkbox"/>	11	3-3/8"
<input type="checkbox"/>	19	6-1/4"

Applicable Standards:

Complies with ASTM C665, Type II, Class A, Category 2. Thermal performance determined by ASTM C653 and C518.

Sound Attenuation Products

Sound Attenuation Batts

Unfaced batts manufactured in widths to permit pressure-fit installation in steel stud systems.

Product Details*

	R-Value	Nominal Thickness
<input type="checkbox"/>	8	2-1/2"
<input type="checkbox"/>	11	3-1/2"

Applicable Standards:

Complies with ASTM C665, Type I. Is noncombustible, meeting test criteria of ASTM E136. Thermal performance determined by ASTM C653 and C518.

Residential and Commercial Insulation Products

Acoustical Ceiling Batts

24" x 48" batts either unfaced or with kraft paper facing. For use in suspended ceiling systems.

Product Details*

	R-Value	Nominal Thickness
<input type="checkbox"/>	11	3-1/2"
<input type="checkbox"/>	19	6-1/4"

Applicable Standards:

Complies with ASTM C665, Type I (unfaced), Type II, Class C, Category 1 (faced). Thermal performance determined by ASTM C653 and C518.

MemBrain™ Smart Vapor Retarder and Air Barrier Film

Vapor retarder sheeting intended for use with unfaced, vapor permeable mass insulation (fiber glass and mineral wool) in wall and ceiling cavities. MemBrain is a polyamide film that changes its permeability with ambient humidity conditions.

Product Details*

	Roll Width	Nominal Thickness
<input type="checkbox"/>	8 ft.	2 mil
<input type="checkbox"/>	9 ft.	2 mil
<input type="checkbox"/>	10 ft.	2 mil
<input type="checkbox"/>	12 ft.	2 mil

Applicable Standards:

Water vapor permeance values are determined by ASTM E96.
≤ 1.0 perm (57 ng/Pa•s•m²) (ASTM E96, Standard Desiccant method)
≤ 10 perms (570 ng/Pa•s•m²) (ASTM E96, Standard Water method)

*Additional R-values & thicknesses may be available. Contact your CertainTeed representative for more information.

Commercial Products

Certapro® Batts

Manufactured in widths to permit friction-fit installation. Unfaced is used with a separate vapor retarder or where no vapor retarder is required or recommended.

Product Details*

	R-Value	Nominal Thickness
<input type="checkbox"/>	8 (Unfaced)	2-1/2"
<input type="checkbox"/>	11 (Unfaced)	3-1/2"
<input type="checkbox"/>	19 (Unfaced)	6-1/4"
<input type="checkbox"/>	30 (Unfaced)	10"

Applicable Standards:

Unfaced complies with ASTM C553, Type I, ASTM C665, Type I and is noncombustible, per ASTM E136.

Thermal performance determined by ASTM C518.

Certapro® Thermal Kraft-Faced Batts

Manufactured with a flanged kraft paper facing providing a vapor retarder with a perm rating of 1.0 or less.

Product Details*

	R-Value	Nominal Thickness
<input type="checkbox"/>	11	3-1/2"
<input type="checkbox"/>	19	6-1/4"

Applicable Standards:

Complies with ASTM C553, Type I and ASTM C665, Type II, Class C, Category 1. Thermal performance determined by ASTM C177 or ASTM C518.

*Product is regionally available as Sustainable Insulation™ and InsulPure® Fiberglass Insulation.

Residential and Commercial Insulation Products

Certapro® Thermal Foil Faced Batts

Manufactured with a flanged foil/kraft vapor retarder providing a perm rating of 0.05 or less. Has a flame spread rating of 75 or less.

Product Details**

	R-Value	Nominal Thickness
<input type="checkbox"/>	11	3-1/2"
<input type="checkbox"/>	19	6-1/4"

Applicable Standards:

Complies with ASTM C553, Type I and ASTM C665, Type III, Class B, Category 1. Thermal performance determined by ASTM C177 and ASTM C518.

Certapro® Thermal FSK-25 Faced Batts

Manufactured with a flanged flame-resistant foils scrim-kraft facing. Used where a flame spread rating of 25 or less is required for insulation facings. The facing has a perm rating of 0.02 or less.

Product Details**

	R-Value	Nominal Thickness
<input type="checkbox"/>	11	3-1/2"
<input type="checkbox"/>	13	3-1/2"
<input type="checkbox"/>	19	6-1/4"
<input type="checkbox"/>	21	5-1/2"
<input type="checkbox"/>	25	8"
<input type="checkbox"/>	30	10"

Applicable Standards:

Complies with ASTM C553, Type I and ASTM C665, Type III, Class A, Category 1. Thermal performance determined by ASTM C177 or ASTM C518.

Certapro® Thermal Extended Flange FSK Faced, White PSK Faced Batts

Manufactured with a facing (PSK) or flame-resistant foil-scrim-kraft facing (FSK). Used where a flame spread rating of 25 or less is required for insulation facings. All facings have a perm rating of 0.02 or less and a 4" extended flange.

Product Details**

	R-Value	Nominal Thickness
<input type="checkbox"/>	19	6-1/4"
<input type="checkbox"/>	30	10"

Applicable Standards:

FSK complies with ASTM C665, Type III, Class A, Category 1. Thermal performance determined by ASTM C177 and ASTM C518.

Residential and Commercial Insulation Products

Certapro™ Commercial Board

Flexible to rigid boards for residential and commercial construction. Manufactured unfaced, with a reinforced white kraft and foil laminate (ASJ) or an aluminum foil, glass scrim kraft laminate (FSK).

Available in multiple densities ranging from semi-rigid to rigid.

CB110, 150, 180: Lightweight, used where flexibility is desired.

CB 225, 250: Semi-rigid board type.

CB 300, 450: Board type with greater rigidity and compressive strength for a smoother, more abuse-resistant surface.

CB 600: A rigid board product.

Product Details*

CB 110		CB 150		CB 180		CB 225	
R-Value	Thickness	R-Value	Thickness	R-Value	Thickness	R-Value	Thickness
<input type="checkbox"/> 6.0	1-1/2"	<input type="checkbox"/> 6.0	1-1/2"	<input type="checkbox"/> 8.0	2"	<input type="checkbox"/> 4.2	1"
<input type="checkbox"/> 14.0	2"	<input type="checkbox"/> 8.0	2"	<input type="checkbox"/> 12.0	3"	<input type="checkbox"/> 6.3	1-1/2"
<input type="checkbox"/> 25.0	2-1/2"	<input type="checkbox"/> 10.0	2-1/2"			<input type="checkbox"/> 8.3	2"
		<input type="checkbox"/> 12.0	3"			<input type="checkbox"/> 10.4	2-1/2"
		<input type="checkbox"/> 14.0	3-1/2"			<input type="checkbox"/> 12.5	3"
		<input type="checkbox"/> 16.0	4"			<input type="checkbox"/> 14.6	3-1/2"
						<input type="checkbox"/> 16.6	4"

CB 250		CB 300		CB 450		CB 600	
R-Value	Thickness	R-Value	Thickness	R-Value	Thickness	R-Value	Thickness
<input type="checkbox"/> 4.2	1"	<input type="checkbox"/> 4.3	1"	<input type="checkbox"/> 4.5	1"	<input type="checkbox"/> 4.5	1"
<input type="checkbox"/> 8.3	2"	<input type="checkbox"/> 6.5	1-1/2"	<input type="checkbox"/> 9.1	2"	<input type="checkbox"/> 6.8	1-1/2"
		<input type="checkbox"/> 8.7	2"			<input type="checkbox"/> 9.1	2"
		<input type="checkbox"/> 10.9	2-1/2"				
		<input type="checkbox"/> 13.0	3"				
		<input type="checkbox"/> 15.2	3-1/2"				
		<input type="checkbox"/> 17.4	4"				

Applicable Standards:

Product	ASTM C612	ASTM C553
CB 150	Type IA	Types I, II & III
CB 225	Type IA	—
CB 300	Type IA & IB	—
CB 600	Type IA & IB	—

ASTM C1136 (Facing only)
Type II: FSK; Type I: ASJ

*Additional R-values & thicknesses may be available. Contact your CertainTeed representative for more information.

Residential and Commercial Insulation Products

CertaPro™ AcoustaBoard™ Black

Rigid or semi-rigid fiberglass board with a black mat facing for acoustical applications in sound studios or other acoustically sensitive applications requiring a black exposed surface.

Available in a single density.

Good rigidity and compressive strength for a smoother, more abuse-resistant surface.

Product Details*	TYPE 225			TYPE 300			
	R-Value	Thickness	NRC	R-Value	Thickness	NRC	
<input type="checkbox"/>	4.3	1"	0.70	<input type="checkbox"/>	4.3	1"	0.70
<input type="checkbox"/>	6.5	1-1/2"	0.80	<input type="checkbox"/>	6.5	1-1/2"	0.80
<input type="checkbox"/>	8.7	2"	1.00	<input type="checkbox"/>	8.7	2"	1.00

Applicable Standards:

Product	ASTM C612
Type 225	Type IA
Type 300	Type IA & IB

CertaPro™ AcoustaBlanket™ Black

1"-2" thick black fiberglass blanket with a durable fire-resistant black composite surface used for acoustical control applications in theaters, sound studios or other acoustically sensitive applications requiring a black exposed surface.

Product Details*	TYPE 150	TYPE 200
	Thickness	Thickness
	1"	—
	1-1/2"	1/2"
	2"	—

Applicable Standards:

Complies with ASTM C553, Types I and II. Acoustical performance determined by ASTM C423 using Type A mounting. Thermal resistance determined by ASTM C177 or C518.

Residential and Commercial Insulation Products

Metal Building Insulation 202-96[†]

A flexible blanket insulation furnished in rolls and intended to be laminated on one side with a suitable vapor retarder. It is used as a thermal and acoustical insulation in the roofs and sidewalls of pre-engineered metal buildings and post frame construction. Plain unfaced, Metal Building Insulation 202-96 may be used as an additional layer of insulation over laminated metal building insulation in systems or over the top of BUR or single ply roofs in metal reroof applications to achieve greater thermal performance.

Product Details

	R-Value	Thickness	Widths	Lengths
<input type="checkbox"/>	10	3-3/8"	36", 48", 60", 72"	100'
<input type="checkbox"/>	11	3-3/4"	36", 48", 60", 72"	100'
<input type="checkbox"/>	13	4-3/8"	36", 48", 60", 72"	75'
<input type="checkbox"/>	16	5-1/2"	36", 48", 60", 72"	50'
<input type="checkbox"/>	19	6-3/8"	36", 48", 60", 72"	50'
<input type="checkbox"/>	21	6-3/4"	36", 48", 60", 72"	45'
<input type="checkbox"/>	25	8"	36", 48", 60", 72"	30'
<input type="checkbox"/>	30	9-1/4"	36", 48", 60", 72"	25'

Applicable Standards:

Metal Building Insulation 202-96 has physical properties that regularly meet the requirements of the following specifications: ASTM C991, Type I Plain and NAIMA 202-96. (Rev. 2000)

Metal Building Insulation Filler Blanket Insulation[†]

This product is used as a thermal or acoustical insulation in commercial buildings where wide rolls of unfaced insulation are required such as retrofitting a warehouse. It is also used in post frame construction. In roofs and sidewalls this product can be used as a second layer over the unfaced side of Metal Building Insulation 202-96. Additionally, it may be installed over old roof decks (BUR and metal) prior to application of a new standing seam roof.

Limitations: This product is not intended to be laminated with vapor retarder facing and does not meet the requirements of NAIMA 202-96.

Product Details

	R-Value	Thickness	Widths	Lengths
<input type="checkbox"/>	11	3-1/2"	48", 60", 72"	100'
<input type="checkbox"/>	13	4-3/8"	48", 60", 72"	100'
<input type="checkbox"/>	19	6-1/4"	48", 60", 72"	50'
<input type="checkbox"/>	21	6-1/2"	48", 60", 72"	45'
<input type="checkbox"/>	25	8"	48", 60", 72"	40'
<input type="checkbox"/>	30	10"	48", 60", 72"	25'

Applicable Standards:

Has physical properties that regularly meet the requirements of the following specifications: ASTM C553, Type I and ASTM C665, Type I.
ASTM C665, Type I.

Residential and Commercial Insulation Products

InsulSafe® SP

Fiber glass blowing insulation for pneumatic application in open attics or closed cavities.

Product Details*	R-Values*	Bags per 1,000 sq. ft.	Minimum Weight Pounds per sq. ft.	Min. Installed/Settled Thickness
<input type="checkbox"/>	13	6.2	0.192	5.25"
<input type="checkbox"/>	19	9.3	0.289	7.75"
<input type="checkbox"/>	22	10.8	0.334	8.75"
<input type="checkbox"/>	30	14.9	0.462	11.75"
<input type="checkbox"/>	38	19.1	0.591	14.50"
<input type="checkbox"/>	44	22.4	0.695	16.75"
<input type="checkbox"/>	49	25.2	0.780	18.50"
<input type="checkbox"/>	60	31.4	0.972	22.00"

Applicable Standards:

Complies with ASTM C764, Type I. Thermal performance is determined by ASTM C687 and ASTM C518. Is noncombustible, meeting criteria of ASTM E136.

InsulSafe® R

Fiber glass blowing insulation for pneumatic application in open attics or closed cavities.

Product Details*	R-Values	Packs per 1,000 sq. ft.	Coverage – Max	Minimum Weight Pounds per sq. ft.	Min. Installed/Settled Thickness
<input type="checkbox"/>	13	9.3	187.4	0.149	6.25"
<input type="checkbox"/>	19	10.8	129.0	0.217	8.75"
<input type="checkbox"/>	22	14.9	110.9	0.253	10.00"
<input type="checkbox"/>	30	22.4	80.0	0.350	13.25"
<input type="checkbox"/>	38	25.2	62.6	0.447	16.25"
<input type="checkbox"/>	44	31.4	53.4	0.524	18.50"
<input type="checkbox"/>	49	25.2	47.8	0.586	20.25"
<input type="checkbox"/>	60	31.4	38.5	0.727	24.00"

Applicable Standards:

Complies with ASTM C764, Type I. Thermal performance is determined by ASTM C687 and ASTM C518. Is noncombustible, meeting criteria of ASTM E136.

Residential and Commercial Insulation Products

OPTIMA® System

System including OPTIMA premium fiber glass blowing insulation and OPTIMA non-woven fabric or equivalent.

Product Details*	R-Values*	Bags per 1,000 sq. ft.	Minimum Weight Pounds per sq. ft.	Min. Installed/Settled Thickness
<input type="checkbox"/>	15	18.8	0.525	3.50" (2 x 4)
<input type="checkbox"/>	23	29.5	0.825	5.50" (2 x 6)
<input type="checkbox"/>	30	38.8	1.088	7.25" (2 x 8)
<input type="checkbox"/>	39	49.6	1.388	9.25" (2 x 10)
<input type="checkbox"/>	47	60.3	1.688	11.25" (2 x 12)
<input type="checkbox"/>	56	71.0	1.988	13.25" (2 x 14)

Applicable Standards:

Complies with ASTM C764, Type I. Thermal performance is determined by ASTM C687 and ASTM C518. Is noncombustible, meeting criteria of ASTM E136.

*Additional R-values & thicknesses may be available. Contact your CertainTeed representative for more information.

Ultra* Duct® Black Duct Board™

CertainTeed's Ultra*Duct™ Black Duct Board is a superior insulation solution designed for commercial and industrial HVAC systems. This insulation solution is made from high-quality fiberglass material and features numerous benefits that make it an ideal choice for various applications.

Product Details*	Type	R-Value	Thickness	NRC
<input type="checkbox"/>	EL 475	4.3	1"	0.70
<input type="checkbox"/>	EL 800	6.5	1-1/2"	0.85
<input type="checkbox"/>	EL 800	8.7	2"	2"

Applicable Standards:

Complies with UL 181 Class 1 Rigid Air Duct, NFPA 90A and 90B, UL 723 and ASTM E84

Residential and Commercial Insulation Products

ToughGard® R Duct Liner

CertainTeed's ToughGard® R Duct Liner is designed to resist heat transfer, keeping the air inside the ductwork at the desired temperature. It has a range of R values, which are measures of thermal resistance, allowing building owners and contractors to choose the right insulation solution for their specific needs.

Product Details*

	Type	R-Value	Thickness	Density
<input type="checkbox"/>	150	4.2	1"	1.5 pcf
<input type="checkbox"/>	150	6.0	1-1/2"	1.5 pcf
<input type="checkbox"/>	150	8.0	2"	1.5 pcf
<input type="checkbox"/>	200	2.1	1/2"	2.0 pcf

Applicable Standards:

Complies with ASTM C1071 Type 1, NFPA 90A and 90B, UL 723, ASTM E84, CAN/ULC-S102

Duct Wrap (Unfaced and Faced)

CertainTeed Duct Wrap is a premium insulation solution for HVAC ductwork, offering superior thermal insulation and energy efficiency. It's easy to install, available in various sizes, and backed by a strong warranty. CertainTeed Duct Wrap helps reduce noise from HVAC systems, creating a more tranquil and pleasant environment for occupants. With a robust FSK-facing, it resists moisture, safeguarding your HVAC ductwork and prolonging its lifespan.

Product Details*

	75		100		150			
	R-Value	Thickness	R-Value	Thickness	R-Value	Thickness		
<input type="checkbox"/>	3.4	1"	<input type="checkbox"/>	3.8	1"	<input type="checkbox"/>	4.2	1"
<input type="checkbox"/>	5.2	1-1/2"	<input type="checkbox"/>	5.8	1-1/2"	<input type="checkbox"/>	6.3	1-1/2"
<input type="checkbox"/>	6.9	2"	<input type="checkbox"/>	7.7	2"	<input type="checkbox"/>	8.3	2"
<input type="checkbox"/>	7.3	2-1/8"						
<input type="checkbox"/>	10.3	3"						
<input type="checkbox"/>	13.8	4"						
<input type="checkbox"/>	15.2	4-1/2"						

Applicable Standards:

Complies with ASTM C1290, ASTM C553, ASTM C1136, UL 723, ASTM E84, CAN/ULC-S102, NFPA 90A and 90B

*Product is regionally available as CertaPro Duct Wrap and Soft Touch Duct Wrap.

Residential and Commercial Insulation Products

Product Characteristics

Sound Transmission Loss

CertainTeed's fiberglass products can reduce sound transmission when properly installed in construction assemblies and can add from 3 to 12 points to the STC rating depending on the type of assembly. The actual rating is dependent on the workmanship, mass of total material, thickness of insulation and the air tightness of the construction. In assemblies, separation of the wall surfaces plus the addition of insulation in stud cavities are the most effective means of reducing sound transmission. This may be accomplished by installing resilient channels on one side of the partition, or with staggered or double wall constructions. The table on the following page lists some typical sound rated partition assemblies.

Fire Safety

CertainTeed Unfaced Fiber Glass Building Insulation, OPTIMA®, InsulSafe® SP, and UltraTherm® are noncombustible per ASTM E136 test criteria. Many building codes require that foam plastic insulation be covered with an approved 15-minute thermal barrier. Consult local building code officials to ensure the application meets local building codes and regulations.

Surface Burning Characteristics

These products have the following maximum flame spread and smoke developed ratings when tested per ASTM E84:

Product	Flame Spread	Smoke Developed
Unfaced Building Insulation	5	0
UltraTherm®	5	0
InsulSafe® SP	5	5
InsulSafe® R	5	5
OPTIMA®	5	5
FSK-25 Building Insulation	25	50
Basement Wall Insulation	25	50
Standard Foil Faced Building Insulation	75	150
MemBrain™	20	55

FSK-25, Basement Wall and standard foil-faced insulation products have a critical radiant flux flame propagation resistance equal to or greater than 0.12 w/cm².

Approximate STC Ratings

Wood Frame Partitions With Gypsum Wallboard Facings (1/2" & 5/8")	No Insulation		3-1/2" of CertainTeed Fiberglass Insulation (batts or blown)	
	1/2"	5/8"	1/2"	5/8"
Single studs/single layer facings	34	35	45	47
Single studs/resilient channel	39	40	51	52
Staggered studs/single layer facings	39	43	55	57
Double stud walls/single layer facings	46	45	51	52

Steel Stud Partitions With Gypsum Wallboard Facings (1/2" & 5/8")	No Insulation				3-1/2" of CertainTeed Fiberglass Insulation (batts or blown)			
	16" O.C. 2-1/2" Studs		24" O.C. 3-5/8" Studs		16" O.C. 2-1/2" Studs		24" O.C. 3-5/8" Studs	
	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
Single layer facings	36	39	36	39	45	47	48	50
Double layer one side, single layer other side	39	44	42	47	51	52	52	55
Double layer each side	45	48	50	52	55	57	55	58

Guide Specifications for CertainTeed Fiberglass Thermal and Acoustical Insulations

Note to the specifier: Provide information as required; delete inappropriate items and fill in where indicated.

This guide specification applies to thermal and acoustical insulation in walls, ceilings and floors. It follows Construction Specifications Institute (CSI) format.

Part 1 – General

1.01 Work Included — State type of insulation and where it is to be installed.

1.02 Related Work — State if separate vapor retarder and/or air barrier is to be installed.

1.03 References — Include appropriate insulation standards.

Part 2 – Products

2.01 Acceptable Manufacturers — CertainTeed

2.02 Materials

Thermal Insulation

Insulation for (ceilings) (walls) (floors) (ducts) shall be CertainTeed _____ inches thick, with R-Value of _____, or Insulation for (ceilings) (or other approved location) shall be CertainTeed _____ installed at minimum of _____ inches thick, with _____ bags/1,000 sq. ft. for R-Value of _____.

Sound Control Insulation

Insulation for (ceilings) (walls) (floors) shall be CertainTeed _____.

Acoustical Ceiling Batts

Insulation over suspended ceilings shall be CertainTeed kraft-faced (312" R-11) (614" R-19) Acoustical Ceiling Batts.

Part 3 – Execution

3.01 Preparation — Verify that mechanical and electrical services in (ceilings) (walls) (floors) have been installed and tested and, if appropriate, verify that adjacent materials are dry and ready to receive insulation.

3.02 Installation — Installation shall be in accordance with CertainTeed's instructions.

Guide Specifications for CertainTeed Technical Fiberglass Insulation Products

Part 1 – General

1.01 Summary

- A. This section includes commercial building thermal/acoustical insulation for application to:
1. Exterior building walls;
 2. Interior partition walls, shaft walls, and other interior surfaces;
 3. Ceiling suspension systems.

1.02 Submittals

- A. Prepare and submit for approval information as required by the conditions of the contract and Division 1 Submittals sections.
- B. Submit product data for each thermal and acoustical insulation product specified.

1.03 Quality Assurance

- A. Installers shall be qualified to perform work of this section and shall be experienced in the performance of installation operations as appropriate to the project.

1.04 Delivery and Storage

- A. Deliver all insulation materials and accessories to the project site in manufacturer's original, unopened, undamaged packaging, with all identification labels intact. Store in a safe place protected from dust, dirt, moisture and physical abuse before and during installation.

Residential and Commercial Insulation Products

Part 2 – Products

2.01 Approved Manufacturer and Products

- A. All thermal/acoustical insulation materials shall be in accordance with Division 1 Submittals, manufactured by CertainTeed, including but not limited to;
1. CertaPro Batts, Unfaced or Kraft Faced (no tabs).
 2. CertaPro Thermal Kraft Faced Batts.
 3. CertaPro Thermal Foil Faced Batts.
 4. CertaPro Thermal FSK-25 Faced Batts.
 5. CertaPro Thermal Extended Flange Batts, FSK Faced.
 6. CertaPro Thermal Extended Flange Batts, Black PSK Faced.
 7. CertaPro Thermal Extended Flange Batts, White PSK Faced.
 8. Building Insulation, Unfaced, Kraft Faced.
 9. CertaPro Commercial Board, Unfaced, FSK Faced, ASJ Faced.
 10. CertaPro AcoustaBoard Black.
 11. CertaPro AcoustaBlanket Black.
 12. Metal Building Insulation 202-96 (Rev. 2000).
 13. Metal Building Insulation Filler Blanket Insulation
- B. Where applicable, specify product thicknesses, length/width dimensions and density to meet thermal and acoustical performance specifications.
- C. Specify type of vapor retarder facing to meet water vapor transmission and fire rating specifications.

Part 3 – Execution

3.01 Inspection

- A. Verify that all insulation may be installed in accordance with project drawings, design requirements and fire ratings.
- B. Confirm that all exterior and interior wall, partition, and floor/ ceiling assembly construction has been completed to the point where the insulation may be correctly installed.

3.02 Installation

- A. Install all insulation in compliance with manufacturer's published instructions and good workmanship so that acoustical and thermal performance requirements are met.

2.02 Products and Applications

- A. Curtain Wall Insulation:
1. CertaPro Batts, Unfaced or Kraft Faced (no tabs). R-Value: _____.
 2. CertaPro Thermal Kraft, Foil, or FSK-25 Faced Batts. R-Value: _____.
 3. CertaPro Commercial Board, Unfaced, FSK or ASJ Faced. R-Value: _____.
- B. Partition Insulation:
1. CertaPro Partition Batts, Unfaced. R-Value: 5.8.
- C. Interior Cavity Wall Insulation:
1. CertaPro Batts, Unfaced or Kraft Faced. R-Value: _____.
 2. CertaPro Thermal Batts, Kraft, Foil, or FSK-25 Faced. R-Value: _____.
 3. CertaPro Thermal Extended Flange Batts, FSK or PSK Faced. R-Value: _____.
- D. Insulation over ceiling suspension systems:
1. CertaPro Batts, Unfaced or Kraft Faced (no tabs). R-Value: _____.
- E. Insulation for acoustic control in theaters, sound studios, etc.:
1. CertaPro AcoustaBoard Black. R-Value: _____.
 2. CertaPro AcoustaBlanket Black. R-Value: _____.
- F. Insulation for metal building ceiling and side wall applications:
1. CertainTeed Metal Building 202-96 (Rev. 2000). R-Value: _____.
 2. Metal Building Insulation Filler Blanket Insulation. R-Value: _____.

3.03 Safety Precautions

- A. Properly protect insulation contractor's employees during installation of all insulation. Protection shall include proper attire when handling and applying insulation materials, and shall include but not be limited to gloves, hard hats, disposable dust respirators, and eye protection.
- B. Conduct all job site operations in compliance with applicable provisions of the Occupational Safety and Health Act and/or local safety and health codes and regulations.



CertainTeed

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20 Moores Road, Malvern, PA 19355 800-233-8990 certainteed.com