



This addendum forms a part of the Contract Documents and modifies the original Documents dated **January 21, 2026**, as noted below. Acknowledge receipt of this addendum in the space provided on the Official Bid Form. Failure to do so may subject the Bidder to disqualification.

SUBSTITUTION REQUESTS

NOT APPROVED

1. Section: 07 3113 – Asphalt Shingle Roofing
Product: Certain Teed Northgate Climateflex
Paragraph: Self-Sealing, SBS-Modified

Proposed Substitution

Manufacturer: Certain Teed Roofing Saint-Gobain
Description: Northgate Climateflex AR, Unlimited Wind Warranty

2. Section: 07 3113 – Asphalt Shingle Roofing
Product: Malarkey SBS Modified Shingle
Paragraph: Part 2/2. 1/1 Legacy Scotchguard

Proposed Substitution

Manufacturer: Owens Corning TruDefinition
Description: Duration Flex SBS Modified

3. Section: 07 3113 – Asphalt Shingle Roofing
Product: Malarkey Legacy
Paragraph: Part 2 – 2.1

Proposed Substitution

Manufacturer: Pabco Prestige
Description: Asphalt Roofing

QUESTIONS AND CLARIFICATIONS

Question: Will Mockups be required?

Answer: Yes. See 07 3113 1.5

Question: Will a field office be required?

Answer: Full time Contractor presence is necessary. A field office is not required onsite.

Question: Will power be available to the contractor? Or will generators be necessary?

Answer: Power will be available to the Contractor a generator will not be necessary.

Question: There is a specification section regarding mold removal, do we know the locations or is this beneath the existing roofing?

Answer: **There are no known areas of organic growth. If organic growth is found during construction, it shall be remediated via a change order or part of the contingency, pending the magnitude.**

Question: Will the mold removal and the hiring of the Industrial Hygienist be considered as a change order?

Answer: **There are no known areas of organic growth. If organic growth is found during construction, it shall be remediated via a change order or part of the contingency, pending the magnitude.**

Question: If mold is encountered, will this be on a change order basis?

Answer: **There are no known areas of organic growth. If organic growth is found during construction, it shall be remediated via a change order or part of the contingency, pending the magnitude.**

Question: The specifications references air barrier and underlayment, but the specs only outline SA high temp, is the deck underlayment the manufacturers standard underlayment?

Answer: **SA underlayment shall be used as the air barrier. SA underlayment shall be vapor impermeable type.**

Question: BE101/details 2,3,5, and 8 Shows the nail base with 4" of insulation and a 2" base layer (When scaled) of insulation is this correct or is there a R-Value that we need to achieve?

Answer: **See Building Elements Table on sheet G000. R-30 continuous is required per code above deck and is noted in the Certa design documents.**

Question: BE 101/detail 8 shows PT blocking and Sub fascia (Repair as needed) with no notes or direction (Also shown in BE101/detail 3). Is the PT blocking and sub fascia (Repair as needed) existing or is it new? Like shown in BE101/3.

Answer: **Install new.**

Question: BE 101/3 shows a spray foam plug and mentions an intumescent paint, can you please provide a Manufacture or product data sheet for the 2 required products?

Answer: **See specification section 07 2119.**

Question: 07 5600/1.2/1 states, Remove and dispose of all obsolete equipment back to the roof deck and replace the single ply and insulation to match. What equipment is this, there are none noted on the plans?

Answer: Assume no equipment is to be abandoned if none are shown on the plans.

Question: Also 07 5600 states to remove all wet areas of insulation per the infrared scan documents and install new to match existing system. Is this to proceed once detected as a change order? This is an unknown at this time.

Answer: A preliminary moisture survey was conducted in July 2025. Bidders to assume there are no areas of compromised materials within the low-slope assembly. Prior to the start of work, Certa will perform an additional scan of the low-slope zone post-bidding to completely ensure that there have been no leaks or moisture issues over the past year. If there are areas of wet insulation below, they will be handled via change order.

Question: Section 07 5600 Fluid applied roofing restoration, 1.2/2 states: "Remove existing wet areas per the provided infrared scan documents" where are the scan documents?

Answer: A preliminary moisture survey was conducted in July 2025. Bidders to assume there are no areas of compromised materials within the low-slope assembly. Prior to the start of work, Certa will perform an additional scan of the low-slope zone post-bidding to completely ensure that there have been no leaks or moisture issues over the past year. If there are areas of wet insulation below, they will be handled via change order.

Question: On the steep slope shingle roofs, will any of the existing will any of the eave and gable fascia flashings Be salvaged, or will all of it be replaced new?

Answer: Install new.

Question: On plan page A100 the main roof, the only eave detail call out is at the southwest corner is BE 101/detail 4 at the corner of the steep slope is a ridge detail, or is BE 101/detail 3 the correct detail?

Answer: BE101/3 is correct.

Question: For budget purposes, is a class 4 SBS modified shingle required, these are not normally called for and are a lot more expensive than a standard asphalt shingle?

Answer: Yes, it is required per the project manual.

Question: Plan page BE 101 has detail 8, where are these locations on the roof plan A100?

Answer: This detail exists at all eave conditions related to the steep-slope assembly.

Question: 02 4119, page 5, 3.4L states "Remove existing systems and Equipment as indicated" Is this something missed on the plans? There are not indicated.

Answer: The specification article 3.4 L does not end with the language “Remove existing systems and equipment and operational components.” There are four sub-items (1-4) associated with the article. See the next page.

END OF ADDENDUM 2

ADDENDUM 2



SUBSTITUTION REQUEST: DATE SUBMITTED 2/6/2026

1.01 SUBMIT TO: Certa Building Solutions, Dan Rundle, drundle@certasolutions.com, and HMK Company, Darek Olson, darek.olson@hmkco.org.

1.02 PROJECT: Roof Project – Hugh Hartman Elementary School

1.03 SPECIFIED ITEM:

A. SECTION NAME AND NUMBER: 07 3113 - Asphalt Shingle Roofing

B. PRODUCT TYPE AND NAME AND MODEL: CertainTeed Northgate Climateflex

C. PARAGRAPH AND PRODUCT DESCRIPTION: Self Sealing, SBS-Modified, granule surfaced, a

1.04 PROPOSED SUBSTITUTION:

A. MANUFACTURER AND MODEL NUMBER(S): CertainTeed Roofing Saint-Gobain

B. PRODUCT DESCRIPTION: Northgate Climateflex AR, Unlimited Wind Warranty

C. Attached data includes product description, specifications, drawings, photographs, performance, test data and **point by point comparative matrix** adequate for evaluation of request including identification of applicable data portions. Attached data also includes description of changes to Contract Documents the proposed substitution requires for proper installation.

D. It is the responsibility of the requestee to assemble a comparative matrix outlining key elements of proposed substitution.

1.05 UNDERSIGNED CERTIFIES FOLLOWING ITEMS, UNLESS MODIFIED BY ATTACHMENTS, ARE CORRECT:

A. Proposed substitution does not affect dimensions shown on the drawings.

B. Undersigned pays for changes to building design, including engineering design, detailing, and construction costs caused by proposed substitution.

C. Proposed substitution has no adverse effect on other trades, construction schedule, or specified warranty requirements.

D. Maintenance and service parts are available locally or readily obtainable for proposed substitution.

1.06 UNDERSIGNED FURTHER CERTIFIES FUNCTION, APPEARANCE, AND QUALITY OF PROPOSED SUBSTITUTION ARE EQUIVALENT OR SUPERIOR TO SPECIFIED ITEM.

1.07 UNDERSIGNED FURTHER CERTIFIES THAT THE MANUFACTURER OF THE PROPOSED SUBSTITUTION IS AWARE OF THIS SUBSTITUTION REQUEST AND AGREES TO THE STATEMENTS NOTED ABOVE.

1.08 UNDERSIGNED AGREES THAT THE TERMS AND CONDITIONS FOR SUBSTITUTIONS FOUND IN BIDDING DOCUMENTS APPLY TO THIS PROPOSED SUBSTITUTION.



1.09 SUBMITTED BY:

- A. PRINT NAME: Jack McDonnell Territory Manager- Oregon
SIGNATURE: Jack M. McDonnell
- B. FIRM NAME: CertainTeed Saint-Gobain
- C. FULL MAILING ADDRESS: 20 Moores Rd
City: Malvern State: PA Zip: 19355
- D. PHONE: 541-286-8141 E-MAIL: jack.mcdonnell@saint-gobain.com

1.10 FOR USE BY ARCHITECT OR ENGINEER

- A. APPROVED OR APPROVED AS NOTED BY: _____
- B. NOT APPROVED BY: Certa Building Solutions, Hiroki Ota
- C. RECEIVED TOO LATE: _____
- D. REMARKS: No underlayment product included in request.
- E. DATE OF RESPONSE: February 10, 2026

END OF SECTION

February 9, 2026

CBS Ref.: OR23-081

Darek Olson
HMK Company
916 Southwest 17th Street, Suite 204
Redmond, OR 97756

Re: Hugh Hartman Elementary School - Asphalt Shingles
Substitution Request - CertainTeed NorthGate ClimateFlex

Dear Mr. Olson:

This letter serves to document our response to the recent substitution request received for the upcoming roof rehabilitation project at the Hugh Hartman Elementary School.

The substitution request proposes to consider the use of *CertainTeed NorthGate ClimateFlex* in lieu of the specified Basis of Design *Malarkey Roofing Legacy ScotchGuard* as specified in the project specification section 07 31 13/2.1/A.

While the proposed shingle product may have published information indicating that it meets the specified performance metrics and certification requirements, the substitution request neglects to include an underlayment product as identified in 07 3113/2.4/A. Due to the incomplete nature of the substitution request, we recommend rejecting this substitution request.

Please do not hesitate to reach out in case you have any questions or concerns.

Yours truly,

Certa Building Solutions

Dan Rundle
Director of Envelope Services
AIA, NCARB, RRC, RWC, RRO, CDT
Senior Building Science Specialist

SUBSTITUTION REQUEST RESPONSE



NorthGate ClimateFlex,
shown in Max Def Weathered Wood

NorthGate® ClimateFlex®

Impact-Resistant Roofing Shingles

Our Best-Selling Shingle Just Got Better

Why ClimateFlex®?

Featuring the latest advances in polymer science, CertainTeed's ClimateFlex technology works at a molecular level to make shingles strong and pliable. The rubber-like qualities of the ClimateFlex asphalt formula provides each shingle with enhanced hail resistance, cold-weather flexibility, and granule adhesion. Use Mountain Ridge, a UL 2218 Class 4 impact resistant accessory, to cap hips and ridges.

FEATURES AND BENEFITS



ENHANCED PROTECTION FROM HAIL AND OTHER WEATHER-RELATED IMPACTS



BETTER PLIABILITY AND GRANULE ADHESION



ENDURES WEATHERING AND COLD-WEATHER EXTREMES



MAY QUALIFY FOR HOME INSURANCE DISCOUNTS, SAVING YOU MONEY



StreakFighter®
30-YEAR ALGAE RESISTANCE



NailTrak®
WIDER NAILING AREA



LIFETIME LIMITED WARRANTY



10-YEAR SURESTART PROTECTION INCLUDES MATERIALS AND LABOR COSTS



15-YEAR 110 MPH WIND WARRANTY UPGRADE TO 130 MPH AVAILABLE

- **CertaSeal®** seals roofs tight against wind and weather.
- **QuadraBond®** secures shingle layers together at four points for greater performance.

CertainTeed products are tested to ensure the highest quality and comply with the following industry standards:

IMPACT RESISTANCE

- ✓ UL Classified to UL 2218 Class 4 Impact Resistance

FIRE RESISTANCE

- ✓ UL Class A
- ✓ UL certified to meet ASTM D3018 Type 1

WIND RESISTANCE

- ✓ UL certified to meet ASTM D3018 Type 1
- ✓ ASTM D3161 Class F
- ✓ ASTM D7158 Class H

TEAR RESISTANCE

- ✓ UL certified to meet ASTM D3462
- ✓ CSA standard A123.5

QUALITY STANDARDS

- ✓ ICC-ES-ESR-1389 & ESR-3537

NORTHGATE® ClimateFlex® COLOR PALETTE



Max Def Granite Gray



Max Def Weathered Wood



Max Def Moiré Black



Max Def Espresso



Max Def Heather Blend



Max Def Resawn Shake



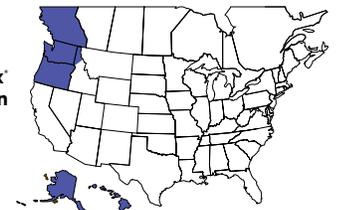
Max Def Burnt Sienna

NOTE: Due to limitations of printing reproduction, CertainTeed can not guarantee the identical match of the actual product color to the graphic representations throughout this publication.



Scan code for more information

NorthGate® ClimateFlex® available in areas shown



CertainTeed

Ceilings • Gypsum • Insulation • Roofing • Siding • Trim
20 Moores Road, Malvern, PA 19355 | 800-233-8990 | certainteed.com

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A PROGRAM OF IBHS

This product is part of CertainTeed's FORTIFIED™-Compliant Roof System for enhanced protection (applicable to the U.S. only).



SUBSTITUTION REQUEST: DATE SUBMITTED 2/9/2026

1.01 SUBMIT TO: Certa Building Solutions, Dan Rundle, drundle@certasolutions.com, and HMK Company, Darek Olson, darek.olson@hmkco.org.

1.02 PROJECT: Roof Project – Hugh Hartman Elementary School

1.03 SPECIFIED ITEM:

- A. SECTION NAME AND NUMBER: Asphalt Shingle Roofing 073113
- B. PRODUCT TYPE AND NAME AND MODEL: Malarkey SBS Modified Shingle
- C. PARAGRAPH AND PRODUCT DESCRIPTION: Part 2/2.1/1 Legacy Scotchguard

1.04 PROPOSED SUBSTITUTION:

- A. MANUFACTURER AND MODEL NUMBER(S): Owens Corning TruDefinition
- B. PRODUCT DESCRIPTION: Duration Flex SBS Modified
- C. Attached data includes product description, specifications, drawings, photographs, performance, test data and **point by point comparative matrix** adequate for evaluation of request including identification of applicable data portions. Attached data also includes description of changes to Contract Documents the proposed substitution requires for proper installation.
- D. It is the responsibility of the requestee to assemble a comparative matrix outlining key elements of proposed substitution.

1.05 UNDERSIGNED CERTIFIES FOLLOWING ITEMS, UNLESS MODIFIED BY ATTACHMENTS, ARE CORRECT:

- A. Proposed substitution does not affect dimensions shown on the drawings.
- B. Undersigned pays for changes to building design, including engineering design, detailing, and construction costs caused by proposed substitution.
- C. Proposed substitution has no adverse effect on other trades, construction schedule, or specified warranty requirements.
- D. Maintenance and service parts are available locally or readily obtainable for proposed substitution.

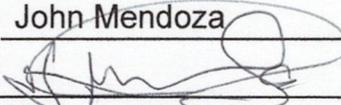
1.06 UNDERSIGNED FURTHER CERTIFIES FUNCTION, APPEARANCE, AND QUALITY OF PROPOSED SUBSTITUTION ARE EQUIVALENT OR SUPERIOR TO SPECIFIED ITEM.

1.07 UNDERSIGNED FURTHER CERTIFIES THAT THE MANUFACTURER OF THE PROPOSED SUBSTITUTION IS AWARE OF THIS SUBSTITUTION REQUEST AND AGREES TO THE STATEMENTS NOTED ABOVE.

1.08 UNDERSIGNED AGREES THAT THE TERMS AND CONDITIONS FOR SUBSTITUTIONS FOUND IN BIDDING DOCUMENTS APPLY TO THIS PROPOSED SUBSTITUTION.



1.09 SUBMITTED BY:

- A. PRINT NAME: John Mendoza
SIGNATURE: 
- B. FIRM NAME: Spearhead Roofing LLC
- C. FULL MAILING ADDRESS: 2720 Montelius Street
City: Klamath Falls State: OR Zip: 97601
- D. PHONE: 541-274-1029 E-MAIL: john.spearheadroofing@gmail.com

1.10 FOR USE BY ARCHITECT OR ENGINEER

- A. APPROVED OR APPROVED AS NOTED BY: _____
- B. NOT APPROVED BY: Certa Building Solutions, Hiroki Ota
- C. RECEIVED TOO LATE: _____
- D. REMARKS: Underlayment product type and function is discrepant from specifications
- E. DATE OF RESPONSE: February 10, 2026

END OF SECTION

February 9, 2026

CBS Ref.: OR23-081

Darek Olson
HMK Company
916 Southwest 17th Street, Suite 204
Redmond, OR 97756

Re: Hugh Hartman Elementary School - Asphalt Shingles
Substitution Request - Owens Corning Duration Shingles and ProArmor Underlayment

Dear Mr. Olson:

This letter serves to document our response to the recent substitution request received for the upcoming roof rehabilitation project at the Hugh Hartman Elementary School.

The substitution request proposes to consider the use of *Owens Corning Duration Shingles* and *ProArmor Underlayment* in lieu of the specified Basis of Design *Malarkey Roofing Legacy ScotchGuard* and *SecureStart HT* as specified in the project specification section 07 31 13/2.1/A and 2.4/A, respectively.

While the proposed shingle product may have published information indicating that it meets the specified performance metrics and certification requirements, the substitution request includes a mechanically attached, vapor permeable underlayment product, discrepant from the self-adhered, vapor impermeable version specified in 07 31 13/2.4/A.

The substitution request should be resubmitted with a self-adhered, vapor impermeable underlayment for use in the proposed assembly at which time the substitution request will be considered.

Please do not hesitate to reach out in case you have any questions or concerns.

Yours truly,

Certa Building Solutions

Dan Rundle
Director of Envelope Services
AIA, NCARB, RRC, RWC, RRO, CDT
Senior Building Science Specialist



PROARMOR®

Synthetic Roof Underlayment

Membrana impermeabilizante sintética para techos



**SEAL.
SELLAR.**

**Helps create a
waterproof barrier**

Ayuda a crear una
barrera impermeable

**TOTAL PROTECTION. TOTAL CONFIDENCE.
PROTECCIÓN TOTAL. CONFIANZA TOTAL.™**



**SEAL.
SELLAR.**



**DEFEND.
DEFENDER.**



**BREATHE.
RESPIRAR.**



ProArmor® Synthetic Roof Underlayment

STRONG FOR THE ROOF SAFE FOR THE CREW

As a contractor, you know that a roof is only as strong as its weakest component. So why risk your reputation on felt paper? Owens Corning® ProArmor® Synthetic Roof Underlayment with Fusion Back Coating Technology® is strong, durable and repels water—unlike felt. It's also lighter, easier to install and contributes to safe working conditions for your crew. Plus, ProArmor® underlayment can withstand UV exposure up to 90 days and can be used under asphalt and metal roofing, so you have the time you need to get the job done right.

Membrana impermeabilizante sintética para techos ProArmor®

RESISTENTE PARA EL TECHO SEGURA PARA EL EQUIPO

Como contratista, sabes que un techo es igual de resistente que su componente más débil. Así que, ¿para qué arriesgar tu reputación con papel de fieltro? La membrana impermeabilizante sintética para techos ProArmor® de Owens Corning® con Fusion Back Coating Technology® es resistente, duradera y repele el agua, a diferencia del fieltro. Además, es más ligera, más fácil de instalar y favorece condiciones de trabajo seguras para tu equipo. Por otra parte, la membrana impermeabilizante ProArmor® puede resistir la exposición a los rayos UV hasta 90 días y se puede utilizar bajo techados de asfalto y metal, por lo que tendrás el tiempo que necesites para hacer bien el trabajo.

Up to

450%

MORE PER ROLL

than competitive
felt underlayments[†]

Up to

12X

STRONGER

than felt—designed to
keep leaks out even after
heavy wear and tear^{**}

Hasta un

450%

MÁS POR ROLLO

que las membranas impermeabilizante
de fieltro de la competencia[†]

Hasta un

12 VECES

MÁS RESISTENTE

que el fieltro, diseñada para
evitar fugas incluso después de
un desgaste intenso^{**}

ROOFING HAS EVOLVED. YOUR UNDERLAYMENT SHOULD TOO.



TOUGHER

Tough, durable material designed to withstand elements during and after installation

- 90 Day Extended UV Exposure
- Extremely high tear strength against boot traffic
- Withstands high temperatures under metal roofing



FASTER

Engineered to be lighter, making it easier to handle and improving job site productivity.

- Up to 4x lighter³ than felt
- 450% more coverage per roll
- Fewer rolls means less trips up the ladder



SAFER

Slip-resistant surface creates better traction and allows crews to move easier, even on steep slopes.

- Enhanced walkability with Fusion Back Coating Technology®
- Less tears around fasteners
- Well marked guides helps with an accurate install



REPELS WATER

Sheds water, serving as a homeowner's secondary water protection barrier on their roof.

- Better leak protection
- Won't absorb water
- Inert to mold



LOS TECHOS HAN EVOLUCIONADO. TU MEMBRANA IMPERMEABILIZANTE TAMBIÉN DEBERÍA HACERLO.



MÁS RESISTENTE

Material resistente y duradero diseñado para soportar elementos durante y después de la instalación

- Exposición prolongada a los rayos UV durante 90 días
- Resistencia al desgarro extremadamente alta frente al tránsito con botas
- Soporta altas temperaturas bajo techados metálicos



MÁS RÁPIDA

Diseñada para ser más ligera, facilita la manipulación y mejora la productividad del lugar de trabajo.

- Hasta 4 veces más ligera³ que el fieltro
- 450 % más de cobertura por rollo
- Menos rollos significa menos desplazamientos por la escalera



MÁS SEGURA

La superficie antideslizante crea una mejor tracción y permite a los equipos moverse con mayor facilidad, incluso en pendientes pronunciadas.

- Mejora de la transitabilidad gracias a la Fusion Back Coating Technology®
- Menos desgarros alrededor de los sujetadores
- Guías bien marcadas que facilitan una instalación precisa



REPELE EL AGUA

Repele el agua, sirviendo como barrera secundaria de protección contra el agua para el techo del propietario de la vivienda.

- Mejor protección contra fugas
- No absorbe agua
- Inerte al moho



TOTAL PROTECTION SIMPLIFIED®

It takes more than just shingles to protect a home. It takes an integrated system of components and layers designed to perform in three critical areas. The Owens Corning® Total Protection Roofing System® gives you the assurance that all of your Owens Corning roofing components are working together to help increase the performance of your roof.

PROTECCIÓN TOTAL SIMPLIFICADA®

Se necesita más que simplemente tejas para proteger su vivienda. Se necesita un sistema integral de componentes y capas diseñadas para desempeñarse en tres áreas críticas. El Total Protection Roofing System® de Owens Corning® le garantiza que todos sus componentes para cubiertas de Owens Corning funcionan en conjunto para mejorar el desempeño de su techo.



Helps create a waterproof barrier

Ayuda a crear una barrera impermeable



Helps protect against nature's elements

Protege contra los elementos climáticos



For balanced attic ventilation

Para una ventilación equilibrada del ático

Hip & Ridge shingles
Tejas de limatesa y cumbre



Laminate shingles
Tejas laminadas



Starter shingles
Tejas de arranque



Exhaust vents**
Salidas de aire

Intake vents
Entradas de aire



Self-adhered ice & water barrier
Barrera autoadhesiva contra el hielo y el agua



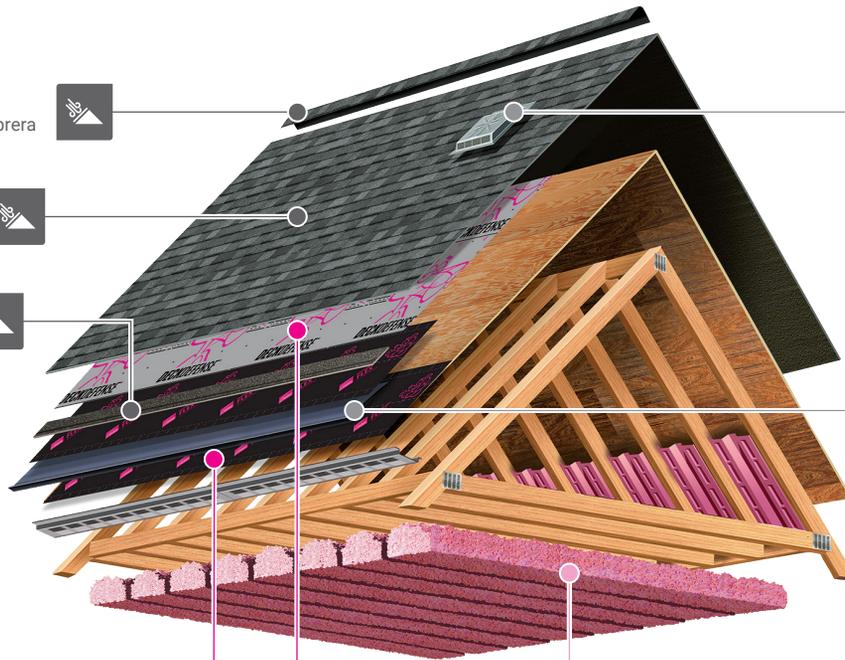
Synthetic underlayment
Membrana impermeabilizante sintética



+ COMFORT. CONFORT.

Add comfort and energy performance
Más confort y desempeño energético

PINK® Fiberglas™ blown-in attic insulation
Aislamiento para áticos PINK® Fiberglas™ aplicado por impulsión



** For intake ventilation, use approved Owens Corning® Vent Sure® InFlow ventilation or soffit ventilation. Do not use both intake ventilation options in one roofing application. See install instructions for more details.

** Para la ventilación de entrada, utilice la ventilación aprobada por Owens Corning® Vent Sure® InFlow o ventilación de sofito. No utilice ambas opciones de ventilación de entrada en una misma aplicación para techos. Consulte las instrucciones de instalación para obtener más detalles.

Product Attributes

Warranty Length

10-Year Limited*

Application

Asphalt and metal roof assemblies†

UV Exposure

90 Day

Typical Values

Length per Roll	286 ft.
Width per Roll	42 in.
Nominal Weight per Roll	23.5 lbs.**
Coverage (with 3-in. overlap)	929 sq. ft
Exposed Color	Light gray
Surface Construction	Non-woven

Applicable Standards and Codes

ASTM 8257

ASTM D226 Type II

ASTM D4869 Type IV

ICC-ES AC188#

ASTM E108/UL 790 (Class A Fire Resistance)¹

Florida Product Approval

Miami-Dade County Product Approval²

CCRR-1068

TDI (Texas Department of Insurance)

Atributos del producto

Duración de la garantía

Solicitud limitada* por 10 años

Application

Conjuntos de techo de asfalto y metal†

Exposición UV

90 días

Valores típicos

Longitud por rollo	286 pies
Ancho por rollo	42 pulgadas
Peso nominal por rollo	23.5 libras**
Cobertura (con solapamiento de 3 pulgadas)	929 pies cuadrados
Color expuesto	Gris claro
Construcción de la superficie	No tejido

Normas y códigos aplicables

ASTM 8257

ASTM D226 Tipo II

ASTM D4869 Tipo IV

ICC-ES AC188#

ASTM E108/UL 790 (resistencia al fuego clase A)¹

Aprobación de productos de Florida

Aprobación de productos 2 del condado de Miami-Dade²

CCRR-1068

TDI (Departamento de Seguros de Texas, por sus siglas en inglés)

* See actual warranty for complete details, limitations and requirements.

† Comes in longer and wider rolls than felt - 10 sq. rolls, 42" wide as compared to #30 felt 2 sq. rolls, 36" wide.

‡‡ Test data is based on average of samples tested in accordance with ASTM D 2261.

† For non-asphaltic roofing materials, check with the manufacturer as to the suitability of using ProArmor® Synthetic Roof Underlayment. Install following the roofing manufacturer's application instructions.

** Includes core weight.

International Code Council Evaluation Services Acceptance Criteria for Alternative Asphalt Shingles.

^ Excludes non-Owens Corning® roofing products such as flashing, fasteners, pipe boots and wood decking.

1 Underlayment is tested as part of a roof assembly that includes wood decking, underlayment and asphalt shingles.

2 Applies for all areas that recognize a Miami-Dade Notice of Acceptance (NOA).

* Consulta la garantía para conocer los detalles, las limitaciones y los requisitos.

† Viene en rollos más largos y más anchos que los de fieltro: 10 rollos cuadrados de 42" de ancho en comparación con los 2 rollos cuadrados de fieltro N.º 30 de 36" de ancho.

‡‡ Los datos de la prueba se basan en el promedio de las muestras analizadas conforme a ASTM D 2261.

† Para materiales de techado no asfálticos, comprobar con el fabricante la idoneidad del uso de la membrana impermeabilizante sintética para techos ProArmor®. Instalar siguiendo las instrucciones de aplicación del fabricante del techado.

** Incluye el peso del núcleo.

Criterios de aceptación de los servicios de evaluación del Consejo de Código Internacional para tejas de asfalto alternativo.

^ No incluye productos de techado que no sean de Owens Corning®, como tapajuntas, sujetadores, fundas de tuberías y terrazas de madera.

1 La membrana impermeabilizante se prueba como parte de un conjunto de techo que incluye terrazas de madera, bases y tejas de asfalto.

2 Se aplica a todas las áreas que reconocen un aviso de aceptación (NOA) de Miami-Dade.



OWENS CORNING ROOFING AND ASPHALT, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OH 43659 USA

1-800-GET-PINK® | 1-800-438-7465
www.owenscorning.com

Pub. No. 10019655-M. Printed in U.S.A. July 2024.
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All Rights Reserved. The color PINK is a registered trademark of Owens Corning.
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THE PINK PANTHER™ y © 1964–2024 Metro-Goldwyn-Mayer Studios Inc.
Todos los derechos reservados. El color PINK es una marca registrada de
Owens Corning. © 2024 Owens Corning. Todos los derechos reservados.

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TITANIUM® PSU30

97601 - English ▾

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SEAL.

The ultimate protection and performance for every roofing system.

Titanium® PSU30 is a high-temp self-adhered underlayment with exclusive Sure-Foot® technology that allows for easy steep slope walkability, even in wet or dusty conditions. This versatile premium underlayment offers exceptional tear strength and a watertight horizontal lap system. Titanium® PSU30 is tough enough to perform during installation and beyond.

- Engineered for waterproofing protection on 1/2:12 or greater sloped roofs
- Acts as a secondary water barrier and is engineered to help prevent ice dams
- Up to six months of UV exposure protection
- 2.5x stronger^{††} than competitive high-temp underlayments
- For use under metal, asphalt, mechanically attached tile, adhered tile, slate, composite and



BAPV solar over asphalt shingles*

- Titanium® comes with a Lifetime Limited Warranty¹

Titanium® PSU30 Roof Underlayment is part of the Owens Corning Total Protection Roofing System®.

‡Compared to premium underlayments from competitive self-adhered brands (Owens Corning testing, 2024).

¹See actual warranty for complete details, limitations and requirements.



 [DOWNLOAD THE TITANIUM PSU30 BROCHURE](#)

Roofing Contractor Customer Loyalty Program

Convert qualifying Titanium® and RhinoRoof® underlayment purchases into financial rewards and business growth opportunities.

[Click here for details](#)

SPECIFICATIONS & LITERATURE



Brochures

Titanium PSU30 Tri-Fold Brochure - English

PSU30 Trifold Brochure - English

 | 2.6 MB >



Installation Instructions

Titanium PSU30 Install Instructions

Titanium PSU30 Installation Instructions

[📄](#) | 283 KB >

Brochures (1)



Installation Instructions (1)



Warranty (1)



TECHNICAL INFORMATION

TITANIUM® PSU30 ROLL SPECS

LENGTH PER ROLL	72' / 22 M
WIDTH PER ROLL	36" / 91.4 CM
WEIGHT PER ROLL	48 LBS / 21.8 KG
ROLL SIZE	2.16 SQ / 20 M ²

TITANIUM® PSU30 TEST STANDARDS AND CODE APPROVALS*

PERMEABILITY ASTM E96	LOW TEMP FLEXIBILITY ASTM D1970
TEAR STRENGTH ASTM D1970	ASTM E108 CLASS A FIRE RESISTANCE**
TENSILE STRENGTH ASTM D1970	ADHESION TO PLYWOOD ASTM D1970

TITANIUM® PSU30 ROLL SPECS

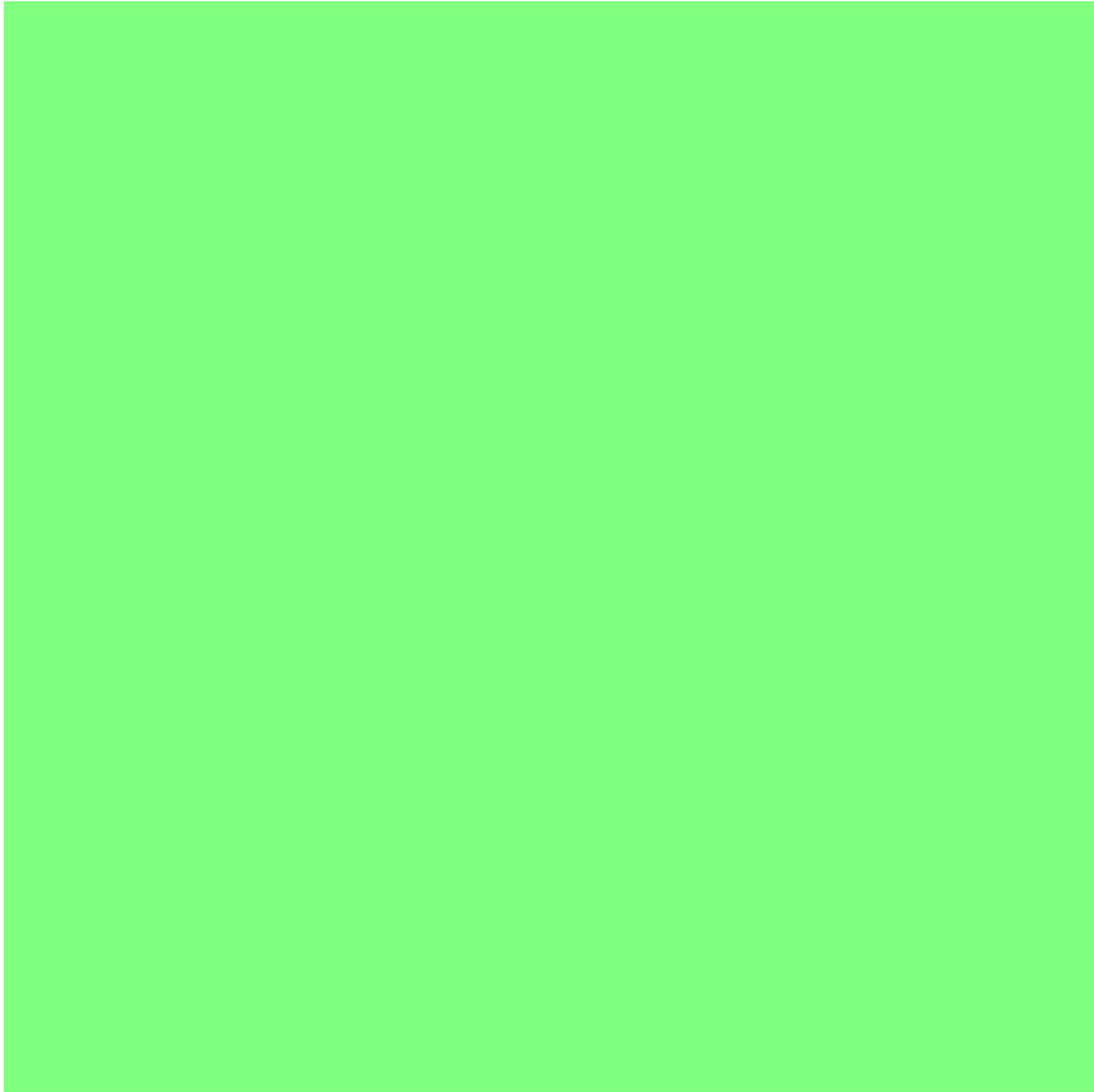
WEIGHT PER SQUARE ASTM D5261	CODE COMPLIANCE RESEARCH REPORT CCRR-1024
NAIL SEALABILITY ASTM D1970	FLORIDA PRODUCT APPROVAL
NOMINAL THICKNESS ASTM D5147	MIAMI-DADE COUNTY PRODUCT APPROVAL ^{††}
THERMAL STABILITY ASTM D1970	TEXAS DEPARTMENT OF INSURANCE

APPROVED USE WITH ICP AH-160 AND RTA-1 AND DOW TILEBOND FOAM ADHESIVES

*Meets or exceeds all below tests and standards.

** ASTM E108 Class A Fire Resistance when installed under asphalt shingles.

†† Besides mechanically attached and adhered tile.



TOTAL PROTECTION ROOFING SYSTEM®

TOTAL PROTECTION IS MORE THAN SHINGLE DEEP

It takes more than shingles to protect your home. It takes an integrated system of components and layers designed to help perform in three critical areas.

- **SEAL** Helps create a water-proof barrier
- **DEFEND** Helps protect against nature's elements
- **BREATHE** For balanced attic ventilation

Excludes non-Owens Corning® roofing products such as flashing, fasteners and wood decking

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Even though we're a global company, we're always ready to answer your questions. Call to speak with an Owens Corning representative so you can start your project right away.

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TruDefinition®

DURATION FLEX®

SHINGLES

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Colors Gallery Features Technical Inform.

AMERICA'S X MOST RECOMMENDED™ ROOFING PRODUCTS



Owens Corning® is honored to have earned the 2018-2026 Women's Choice Award® as America's Most Recommended™ Roofing Products. This award is given by women for women. It is based on a national survey that measures brand preference by female consumers.

HELP PROTECT WITH THE POWER OF FLEX

Unlike standard shingles, TruDefinition® Duration FLEX® shingles are made with a proprietary blend of SBS polymer modified asphalt. The rubberizing effect of the uniquely blended SBS modified asphalt makes the shingle pliable and gives them greater flexibility and enhanced durability and toughness, especially under intense storm conditions. With Duration FLEX®, you are getting a shingle that has the highest impact rating



possible: UL 2218 Class 4¹ and may qualify for a homeowner insurance discount - check with your insurance company.



Black Sable

Black shingles with a dark brown undertone achieved with a mix of brown, taupe, and dark gray granules



Brownwood

Dark warm brown shingles with prominent black, brown and orange granules



Driftwood

Medium blue shingles with prominent red and medium sage green, tan granules

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COLOR ACCURACY

As color experts, we know getting the shingle color right is a big part of any roofing purchase. We recommend you start online to research and narrow down your shingle color options. Due to computer monitor color variations, we suggest you request an actual shingle sample to see how it will appear on your home and with your home's exterior elements in various natural lighting conditions. Lastly, verify your color choice by seeing it installed on an actual home; your roofing contractor or supplier can provide a sample and may be able to direct you to a local installation.



PERFORMANCE FOR ALL SEASONS

Every season brings with it unpredictable weather conditions, from winds to hail storms, high heat to freezing temperatures. Duration FLEX® is designed to help protect your roof to withstand conditions in every season. It's the only shingle in the market that brings together the resilience of SBS polymer modified asphalt with the outstanding hold of SureNail® Technology. This unique pairing of flexibility and grip enables your roof to help withstand the elements, including up to 130-MPH wind resistance*, storm debris, icy winter cold and scorching summer heat.

FIND A CONTRACTOR

Get your roof installed by a contractor near Klamath Falls, OR



SG Roofing And Construction LLC



★
(9 reviews)

(541) 892-6927 |
Email | Website
Request Quote



Wrights Roofing And Construction Inc



(541) 591-8853 |
Email | Website



**Cummings
Roofing Inc**



(541) 884-2620 |
Email | Website

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**Dan Martin
Construction
Inc**



(541) 591-0322 |
Email



**Ghost Ridge
Construction**



(209) 365-3434



**Linkville
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GALLERY



Black Sable



Brownwood



Driftwood



Onyx Black



Sand Dune



Storm Cloud



Summer Harvest



Duration® Series Shingles with SureNail® Technology



Roofing: Duration FLEX® Performance Tests



Duration FLEX® Protection for All Seasons

FEATURES & BENEFITS





SURENAIL® TECHNOLOGY™

It's the nailing line on your shingles. The difference between a good shingle and a great shingle is having SureNail® Technology. With SureNail® Technology, strength and durability are built into every Duration® Series shingle, thanks to the unique fabric strip in the nailing area. This unique shingle design provides outstanding gripping power.

- Patented SureNail® Technology
- Breakthrough Design
- Triple Layer Protection®
- Outstanding Grip
- Exceptional Wind Resistance

[Learn more](#)

PREMIUM COLOR BLENDS

For a bold and brilliant roof that pairs beautifully with colorful exterior accessories, choose from our selection of vibrant dimensional color combinations in the TruDefinition® color platform. These multi-tonal shingle colors are expertly formulated with a mixture of timeless base colors and contrasting granules to bring added depth and



visual interest to your roof.



**TRUDEFINITION®
COLOR
PLATFORM**

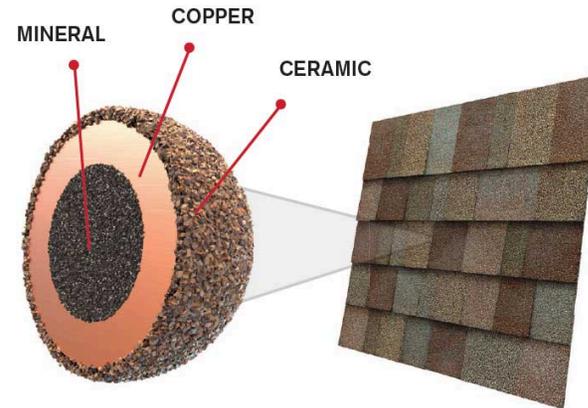
TruDefinition® is our color design platform trademark on shingles that are specially formulated to capture the bright, vibrant hues and dramatic shades that showcase the aesthetic appeal of your home. Shingles feature multiple-granule colors and shadowing to provide an extraordinary look that will enhance your home and complement its natural surroundings.

**STREAKGUARD®
ALGAE
RESISTANCE
PROTECTION**

Don't let algae growth ruin the exterior appearance of your home. As an industry leader in innovation, Owens Corning blends copper-lined granules, which help resist algae growth, into our colorful granules in a way that is proprietary to us and is scientifically developed to meet the needs of specific regional climates.

Owens Corning® StreakGuard® Algae Resistance Protection helps inhibit the growth of blue-green algae to provide protection against those ugly black streaks.

*See actual warranty for complete details, limitations and requirements.



Learn more



SBS
MODIFIED
ASPHALT

The rubberizing effect of our uniquely blended SBS modified asphalt makes the shingles pliable and gives them greater flexibility than standard shingles. The result is a premium architectural asphalt shingle with enhanced durability and toughness, especially under intense storm conditions, to help deliver lasting protection for your home.

LIMITED
LIFETIME
WARRANTY*

If you purchase any of the System warranties, make sure you tell your contractors to register them with us and give you the proof of purchase! Having your roof installed by an Owens Corning Roofing Preferred Contractor or an Owens Corning Roofing Platinum Preferred Contractor can have an impact on your warranty coverage.



[Learn more](#)



WIND RESISTANCE

Significant wind can cause shingles to blow off the roof deck. Missing shingles can lead to leaks and other interior damage. The quality and performance of the sealant on a shingle play an important part in wind resistance performance. Owens Corning certifies our shingles to industry recognized wind resistance standards through independent third-party testing laboratories. To see the wind resistance warranty on this product, refer to the Technical Information section.

[Learn more](#)

TECHNICAL INFORMATION

Technical Characteristics (nominal values)

PROPERTY (UNIT)	VALUE
Warranty	Limited Lifetime
Wind Resistance	130 MPH 209 KMH
Algae Resistance§	25 Years*
Nominal Size	13 1/4" x 39 3/8"
Exposure	5 5/8"
Shingles Per Square	64

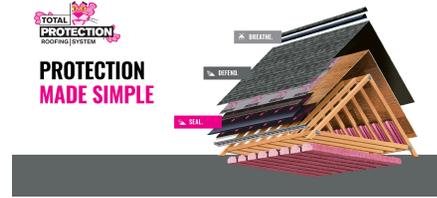
PROPERTY (UNIT)	VALUE
Bundles Per Square	3
Coverage Per Square	98.4 sq. ft.

Applicable Standards

Technical Documents

- ASTM D228 [PRI Evaluation Report PDF | 0.7 MB](#)
- ASTM D3018, Type I [3-part spec \(pdf\)](#)
[3-part spec \(word\)](#)
- ASTM D3161, Class F Wind Resistance [Data Sheet PDF | 16.8 MB](#)
- ASTM D3462 [Storm and Flex Installation Instructions PDF | 1.8 MB](#)
- ASTM D7158 [Installation Instructions \(Web\)](#)
- ASTM E108/UL 790, Class A Fire Resistance [Beauty Books PDF | 10.7 MB](#)
- CSA A123.5 [All Weather Brochure PDF | 15.1 MB](#)
- FM 4473 (Class 4 Impact Resistance) [Impact Resistance Shingles Data Sheet PDF | 5.8 MB](#)
- UL 2218 (Class 4 Impact Resistance) [SDS](#)

RELATED ITEMS



Protection with a Finishing Touch

A new roof can give your home a whole new look and Owens Corning® Hip & Ridge Shingles provide the finishing touch. Add a tough, yet beautiful layer of defense with strong adhesion that resists blow offs and helps protect the most vulnerable areas such as hips & ridges. Part of the Owens Corning® Total Protection Roofing System***

[Learn more](#)

Total Protection is more than Shingle Deep

It takes more than shingles to protect your home. It takes an integrated system of components and layers designed to help perform in three critical areas. Create a water-proof barrier, protect against nature's elements, and achieve balanced attic ventilation with Owens Corning® Total Protection Roofing System®.

[Learn more](#)

HELP WITH COLOR

Visualize Your Roof

Get a real picture of how your roof will look before you purchase. Our Design EyeQ® visualization software lets you upload a picture of your home and 'try on' new roof colors. When you're done, you can print the picture for reference, share it via social media, or send it to an Owens Corning Network member for an estimate.

View Style Board Inspiration

Need help deciding on the best color and look for your home? Don't fret – Owens Corning has you covered. We've expertly paired fashion-forward colors with our Duration® Series shingles. Explore expert color pairings and a variety of style boards to match for inspiration on your next project.

Visualize your
home

View all style
boards

Building Your Own Style Board

Trying to figure out your personal exterior design style but don't know how to start? We can help. It's easy to create your own style board.



WOMEN'S CHOICE AWARD

WOMEN LOVE OWENS CORNING

Owens Corning® is honored to have earned the 2018-2026 Women's Choice Award® as America's Most Recommended™ Roofing Products. This award is given by women for women. It is based on a national survey that measures brand preference by female consumers.



We strive to accurately reproduce all photographs of shingles in literature and for onscreen viewing. The roofing product colors you see are as accurate as technology allows. We suggest that you view a roofing display or several shingles to get a better idea of the actual color. To accurately judge your shingle and color choice, we recommend that you view it on an actual roof with a pitch similar to your own roof prior to making your final color selection.

¹ImpactRidge® Hip & Ridge Shingles are required to complete UL 2218 and/or FM 4473 Class 4 Impact-Resistant Roof System. Due to the variability in real storm conditions, a Class Rating on any product does not guarantee that it will withstand damage from hailstorms or other acts of God. Owens Corning shingles are not covered under a warranty for hail damage.

† SureNail® Technology is not a guarantee of performance in all weather conditions.

†† Only on product sold in Canada

‡ This image depicts Triple Layer Protection® and the amount of Triple Layer Protection may vary on a shingle-to-shingle basis.

For patent information, visit www.owenscorning.com/patents

* See actual warranty for complete details, limitations, and requirements.

** Excludes non-Owens Corning® products such as flashing, fasteners, and wood decking.

§ This coverage is effective 01/01/2024; Installation must include use of an approved Owens Corning® Hip & Ridge product. See actual warranty for details. Shingles are algae resistant to help control growth of algae and discoloration.

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VentSure®

4 FOOT STRIP

97601 - English ▾

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BREATHE.

Optimize Airflow in your Attic

VentSure® 4-Foot Strip Ridge Vents with or without Weather PROtector® Moisture Barrier

Proper ventilation helps prevent heat and moisture from building up in your attic. A cool and dry attic helps maintain the roof's integrity, prevent leaks from ice dams, and supports a healthy, comfortable home year-round.

VentSure® 4-Foot Strip Ridge Vents work with intake ventilation to help improve airflow through the attic. They are flexible enough to conform to virtually any roof slope and provide a sturdy construction and design to help provide outstanding performance in all seasons.

- Outstanding airflow – net free vent area* of 20 sq. in.^ per lineal foot
- Unique design – flat side vents help improve air flow by keeping leaves, pine needles, and other debris from clogging the vent
- Excellent versatility – Reinforced nail holes and corrugated ridge design provide the strength to accommodate virtually any roof pitch



Alongside adequate intake ventilation, VentSure® 4-Foot Strip Ridge Vents can complete a balanced ventilation setup and are an essential part of the Total Protection Roofing System®.

 [Download Data Sheet](#)



SPECIFICATIONS & LITERATURE



Data Sheets

VentSure 4ft Strip Heat and Moisture Ridge Vent Data Sheet

VentSure 4ft Strip Heat & Moisture Ridge Vent Data Sheet

 | 5.0 MB >



Installation Instructions

VentSure® 4 ft Strip Heat and Moisture Ridge Vent Installation Instructions

VentSure® 4 ft Strip Heat and Moisture Ridge Vent Installation Instructions

 | 1.9 MB >



Installation Instructions

VentSure® 4 ft Strip Heat and Moisture Strip with WeatherProtector Installation Instructions

VentSure® 4 ft Strip Heat and Moisture Strip with WeatherProtector Installation Instructions

 | 1.4 MB >

Data Sheets (1)



Installation Instructions (2)



Warranty (1)



RESOURCES



Product Guide: VentSure 4-Foot Strip Heat & Moisture Ridge Vent

TECHNICAL INFORMATION

VENTSURE® 4-FOOT STRIP HEAT & MOISTURE RIDGE VENT

Attribute	Value
Net Free Vent Area*	80 sq. in. per strip / 20 sq. in. per lin. ft.
Nominal Length	48" / 4 ft.
Nominal Width	15"
Nominal Height	1"
Shingle-Over Width	12"
Allowable Roof Pitch	3:12 to 16:12

*Net free vent area corresponds to the ventilation area that is open to unrestricted air flow. Generally, 1 sq. ft. of net free vent area per 150 sq. ft. of attic space is needed, balanced between intake and exhaust vents.

VENTSURE® 4-FOOT STRIP HEAT & MOISTURE RIDGE VENT WITH WEATHER PROTECTOR® MOISTURE BARRIER

	12"	10"	8"
Net Free Vent Area*	80 sq. in. per strip / 20 sq. in. per lin. ft.	72 sq. in. per strip / 18 sq. in. per lin. ft.	72 sq. in. per strip / 18 sq. in. per lin. ft.
Nominal Length	48" / 4 ft.	48" / 4 ft.	48" / 4 ft.
Nominal Width	15"	13.28"	11.43"
Nominal Height	1"	1"	1"
Shingle-Over Width	12"	10"	8"
Allowable Roof Pitch	3:12 to 16:12	3:12 to 16:12	3:12 to 16:12

*Net free vent area corresponds to the ventilation area that is open to unrestricted air flow. Generally, 1 sq. ft. of net free vent area per 150 sq. ft. of attic space is needed, balanced between intake and exhaust vents.

^This only applies to the 12" shingle-over width product. The 10" and 8" shingle-over width product provides 18 sq. in. of net free vent area per lineal ft.

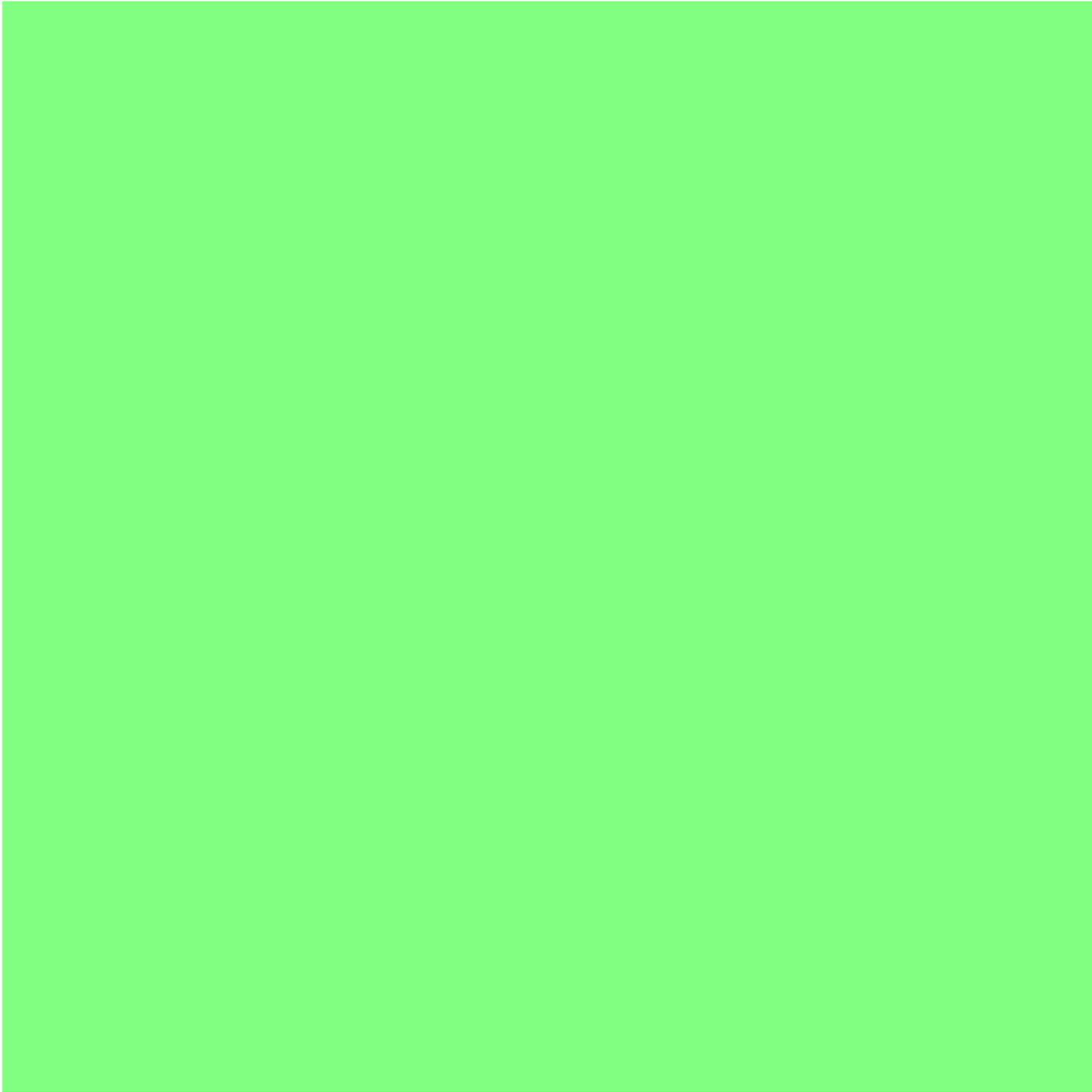
VENTILATION REQUIREMENTS

In order to create a consistent flow of cool, dry air through your attic, you need to make sure the air has a way to come in and go out: intake and exhaust. It's important there is a balance between the intake and exhaust ventilation to help ensure air flows smoothly and efficiently.

Vent Calculator

APPLICABLE CODES AND STANDARDS

- ICC-ES AC132
- PRI ER 1378E03
- Florida Product Approval
- Miami-Dade Product Approval
- FBC - TAS100(A) Wind-Driven Rain up to 110 MPH
- TDI Approved For Use in Windstorm Catastrophe Areas



TOTAL PROTECTION ROOFING SYSTEM®

TOTAL PROTECTION IS MORE THAN SHINGLE DEEP

It takes more than shingles to protect your home. It takes an integrated system of components and layers designed to help perform in three critical areas.

- **SEAL** Helps create a water-proof barrier
- **DEFEND** Helps protect against nature's elements
- **BREATHE** For balanced attic ventilation

Excludes non-Owens Corning® roofing products such as flashing, fasteners and wood decking

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BREATHE.

Optimize Airflow in Your Attic

Proper ventilation helps prevent heat and moisture from building up in your attic. A cool and dry attic helps the roof last longer, prevent leaks from ice dams, and keep your home healthy and comfortable year-round.

VentSure® InFlow® Intake Vents work with exhaust ventilation to help improve airflow through the attic. They are an ideal solution for roofs without soffits or to use as supplemental intake on roofs requiring additional ventilation.

- Outstanding airflow – Net free vent area* of 10 sq. in. per lineal foot
- Flexible design – Pulls air from underneath when installed at the eave and pulls from above when installed mid-roof
- Excellent performance – Durable construction for long-lasting performance



Alongside adequate exhaust ventilation, VentSure® InFlow® Intake Vents can complete a balanced ventilation setup and are an essential part of the Total Protection Roofing System®.

 [Download Brochure](#)



SPECIFICATIONS & LITERATURE



Data Sheets

VentSure® InFlow® Vent Data Sheet

VentSure® InFlow® Vent Data Sheet

 | 13.1 MB >



Installation Instructions

VentSure® InFlow® Vent Installation Instructions

VentSure® InFlow® Vent Installation Instructions

 | 7.7 MB >

Data Sheets (1)



Installation Instructions (1)



Warranty (1)



TECHNICAL INFORMATION

Net Free Vent Area*	40 sq. in. per strip / 10 sq. in. per lin. ft.
Nominal Length	48" / 4 ft.
Nominal Width	15"
Nominal Height	1"
Allowable Roof Pitch	4:12 to 16:12

*Net free vent area corresponds to the ventilation area that is open to unrestricted air flow. Generally, 1 sq. ft. of net free vent area per 150 sq. ft. of attic space is needed, balanced between intake and exhaust vents.

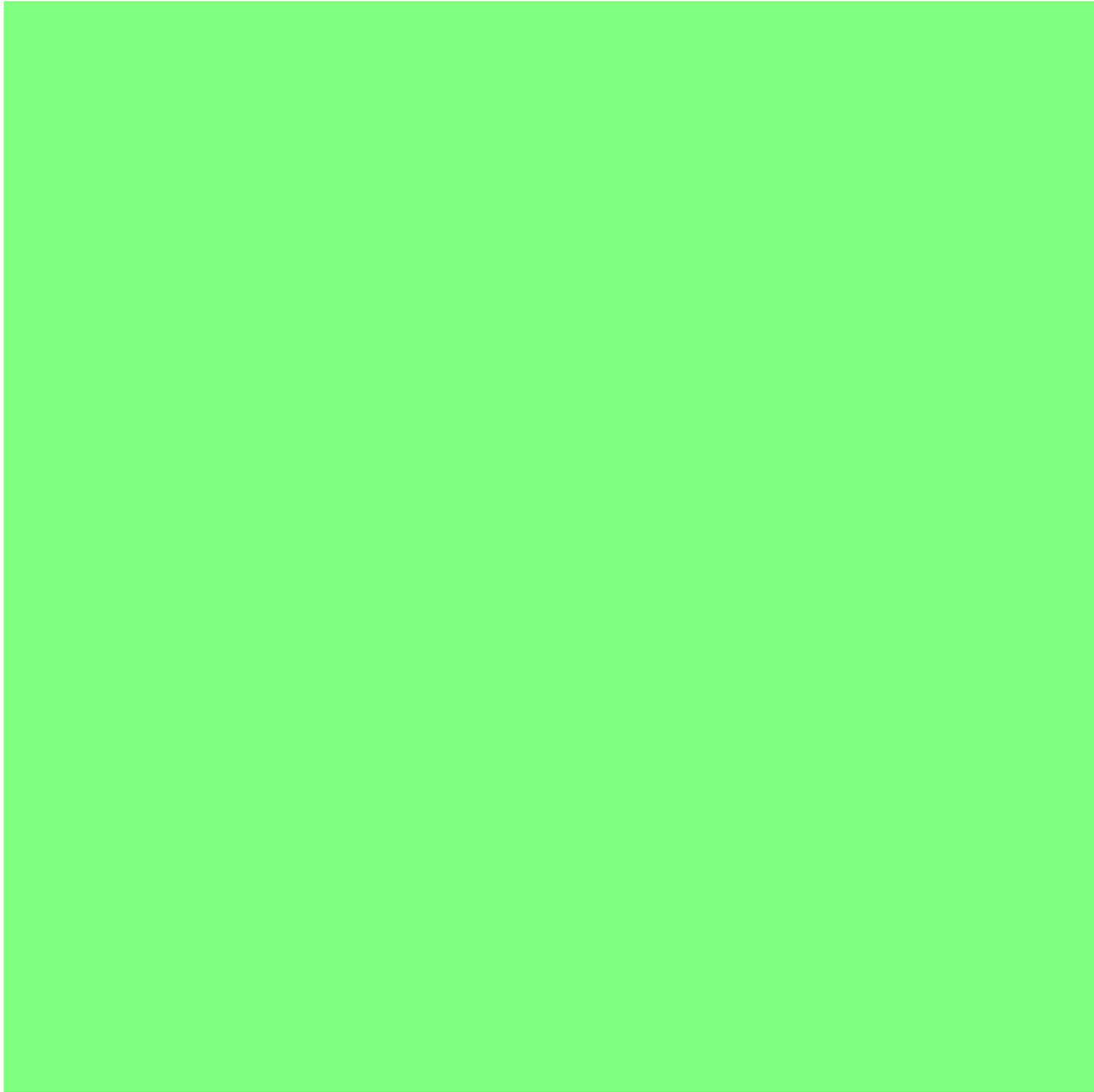
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- PRI ER 1378E03
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- FBC - TAS100(A) Wind-Driven Rain up to 110 MPH
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SUBSTITUTION REQUEST: DATE SUBMITTED 2-6-26

1.01 SUBMIT TO: Certa Building Solutions, Dan Rundle, drundle@certasolutions.com, and HMK Company, Darek Olson, darek.olson@hmkco.org.

1.02 PROJECT: Roof Project – Hugh Hartman Elementary School

1.03 SPECIFIED ITEM:

- A. SECTION NAME AND NUMBER: Asphalt Shingle Roofing 07 3113
- B. PRODUCT TYPE AND NAME AND MODEL: Malarkey Legacy
- C. PARAGRAPH AND PRODUCT DESCRIPTION: part 2 2.1

1.04 PROPOSED SUBSTITUTION:

- A. MANUFACTURER AND MODEL NUMBER(S): Pabco Prestige
- B. PRODUCT DESCRIPTION: Asphalt Roofing
- C. Attached data includes product description, specifications, drawings, photographs, performance, test data and **point by point comparative matrix** adequate for evaluation of request including identification of applicable data portions. Attached data also includes description of changes to Contract Documents the proposed substitution requires for proper installation.
- D. It is the responsibility of the requestee to assemble a comparative matrix outlining key elements of proposed substitution.

1.05 UNDERSIGNED CERTIFIES FOLLOWING ITEMS, UNLESS MODIFIED BY ATTACHMENTS, ARE CORRECT:

- A. Proposed substitution does not affect dimensions shown on the drawings.
- B. Undersigned pays for changes to building design, including engineering design, detailing, and construction costs caused by proposed substitution.
- C. Proposed substitution has no adverse effect on other trades, construction schedule, or specified warranty requirements.
- D. Maintenance and service parts are available locally or readily obtainable for proposed substitution.

1.06 UNDERSIGNED FURTHER CERTIFIES FUNCTION, APPEARANCE, AND QUALITY OF PROPOSED SUBSTITUTION ARE EQUIVALENT OR SUPERIOR TO SPECIFIED ITEM.

1.07 UNDERSIGNED FURTHER CERTIFIES THAT THE MANUFACTURER OF THE PROPOSED SUBSTITUTION IS AWARE OF THIS SUBSTITUTION REQUEST AND AGREES TO THE STATEMENTS NOTED ABOVE.

1.08 UNDERSIGNED AGREES THAT THE TERMS AND CONDITIONS FOR SUBSTITUTIONS FOUND IN BIDDING DOCUMENTS APPLY TO THIS PROPOSED SUBSTITUTION.



1.09 SUBMITTED BY:

- A. PRINT NAME: Brady Collins
SIGNATURE: *Brady Collins*
- B. FIRM NAME: SafeCover Roofing
- C. FULL MAILING ADDRESS: 1696 Bishop Rd
City: Chehalis State: WA Zip: 98532
- D. PHONE: 360-827-1655 E-MAIL: Brady@safecoverroofing.com

1.10 FOR USE BY ARCHITECT OR ENGINEER

- A. APPROVED OR APPROVED AS NOTED BY: _____
- B. NOT APPROVED BY: Certa Building Solutions, Hiroki Ota
- C. RECEIVED TOO LATE: _____
- D. REMARKS: No underlayment product included in request.
- E. DATE OF RESPONSE: February 10, 2026

END OF SECTION

February 9, 2026

CBS Ref.: OR23-081

Darek Olson
HMK Company
916 Southwest 17th Street, Suite 204
Redmond, OR 97756

**Re: Hugh Hartman Elementary School - Asphalt Shingles
Substitution Request - Pabco Prestige**

Dear Mr. Olson:

This letter serves to document our response to the recent substitution request received for the upcoming roof rehabilitation project at the Hugh Hartman Elementary School.

The substitution request proposes to consider the use of *Pabco Prestige Shingles* in lieu of the specified Basis of Design *Malarkey Roofing Legacy ScotchGuard* as specified in the project specification section 07 31 13/2.1/A.

While the proposed shingle product may have published information indicating that it meets the specified performance metrics and certification requirements, the substitution request neglects to include an underlayment product as identified in 07 3113/2.4/A. Due to the incomplete nature of the substitution request, we recommend rejecting this substitution request.

Please do not hesitate to reach out in case you have any questions or concerns.

Yours truly,

Certa Building Solutions

Dan Rundle
Director of Envelope Services
AIA, NCARB, RRC, RWC, RRO, CDT
Senior Building Science Specialist