

# Roof Plan: 263 North Main Street



# ESTIMATE

5325 NAIMAN PKWY. SUITE F  
 SOLON, OH 44139  
 OFFICE #: (440) 519-0700  
 Email: [clevslate.copper@me.com](mailto:clevslate.copper@me.com)

**CLEVELAND  
 SLATE & COPPER**

SLATE, TILE & COPPER  
 ROOFING RESTORATION  
 CHIMNEY TUCK POINTING

MR. & MRS. FURMICK  
 263 N. MAIN STR.  
 HUDSON, OH  
 CELL # (216) 533-3132

Description	Quantity	Unit Price	Cost
<p><b>NEIGHBOR SIDE UPPER SLATE ROOF</b> SET UP SCAFFOLDING AND REMOVE RIDGE ROLL TEAR OFF ROOF REMOVE VENT BOOT , WALL AND VALLEY FLASHING . REMOVE SLATE ON DORMER SIDE AND ROOF , REPLACE ROTTED WOOD IF NEEDED . INSTALL WINTER GUARD UNDERLAYMENT ON ROOF EDGE , UNDERNEATH VALLEY AND WALL FLASHING . INSTALL RHINO SYNTHETIC UNDERLAYMENT . <b>INSTALL NEW SIMILAR SLATE ( WITH CORNER CUT SLATE , SAME DESIGN )</b> . INSTALL NEW COPPER VENT BOOT , VALLEY AND WALL FLASHING SOLDERED WHERE APPROPRIATE . INSTALL NEW COPPER HIP AND RIDGE ROLL FLASHING WITH RUBBER WASHER BRASS SCREW .</p>	<p>10 Sq' slate                      15' Wall fl.                      8' Valley fl.                      40' Hip roll                      30' Ridge roll</p>		
<p><b>SIDE BAY WINDOW</b> : REMOVE ROOF MATERIEL , REPLACE ROTTED WOOD IF NEEDED . INSTALL WINTER GUARD UNDERLAYMENT . BUILD ROOF PICH ( INSTALL INSULATION ) , INSTALL WINTER GUARD UNDERLAYMENT INSTALL <b>STANDING SEAMED COPPER ROOF</b> .</p>	<p>13' x 3'</p>		
<p><b>MATERIAL</b> : 16 Oz. COPPER , CERTAINTeed WINTER GUARD HT , RHINO SYNTHETIC ROOF UNDERLAYMENT , 1 3/4" COPPER NAIL , BRASS SCREW WITH RUBBER WASHER .</p>			
<p><b>MATERIAL SPECIFICATION</b></p>			
<p><b>FLASHING</b>: ASTM B 370 COPPER , COLD ROLLED, 16 oz/sq ft (0.56 mm THICK ) , NATURAL FINISH .</p>			
<p><b>SLATE</b> : ASTM-1 . CLASS 3 &amp; 4 HAIL RATED ; CLASS A FIRE RATED 100-YEAR LIMITED WARRANTY MIAMI -DADE COUNTY FL. WIND UPLIFT CERTIFICATION .</p>			
<p><b>UNDERLAYMENT</b> : CERTAINTeed WINTER GUARD HT . ASTM D1970 . WATERPROOFING UNDERLAYMENT FOR SLATE , TILE AND METAL ROOFS .</p>			
<p><b>UNDERLAYMENT</b> : RHINO U20 SYNTHETIC ROOF UNDERLAYMENT .</p>			
<p><small>THE PRICES IS INCLUDES ALL MATERIAL AND LABOR COST , UPON DISCOVERED WOOD WORK MAY ADDITIONALLY CHARGE ANY UNFORESEEN ITEMS WILL BE ADDRESSED WITH CUSTOMER . ANY EXTRA CHARGES RESULTING WILL BE DISCUSSED BEFOR WORK IS DONE . YOUR ESTIMATE INCLUDES MINIMUM SLATE OR TILE REPAIR ONLY .</small></p>		<b>Subtotal</b>	
<p><small>ALL FLASHING (16 OZ. COPPER ) WORK WILL BE PERFORMED TOTHE HIGHEST PROFESSIONAL STANDARDS. FLASHINGS WILL BE LOCK-SEAMED AND SOLDERED WHERE APPROPRIATE. VALLEYS AND FLASHINGS WILL BE UNDERLAID WITH ICE AND WATER SHIELD. ALL WORK WIL BE PROPERLY TIED IN TO ADJACENT SURFACES.</small></p>		<b>Payment</b>	50% \$0.00 50% \$0.00
<p><small>2 YEAR WARRANTY ON FLASHING WORK , 1 YEAR NEW INSTALLED FLAT OR SHINGLE ROOF WORK , AND MASONRY WORK. PRICING IS VALID FOR 10 BUSINESS DAYS, PAYMENT TO BE MADE AS FALLOWS :50% ACCEPTANCE OF PROPOSAL . 50% JOB COMPLETE , USING CREDIT CARD IS A 3 % ADDITIONAL CHARGE. PRIVACY POLICY : WE DO NOT SELL, TRADE OR OTHERWISE TRANSFER TO OUTSIDE PARTIES YOUR PERSONALLY INFORMATION .</small></p>		<b>Total Due</b>	

*"He who works with his hands - is a laborer,  
 He who works with his hands and his head - is a craftsman.  
 He who works with his hands, his head and his heart - is an artist."*  
 St. Francis of Assisi 8334

I truly appreciate your business ,  
 Gabor Koszoru President of C. S. & C. INC.

CertainTeed

# WinterGuard™

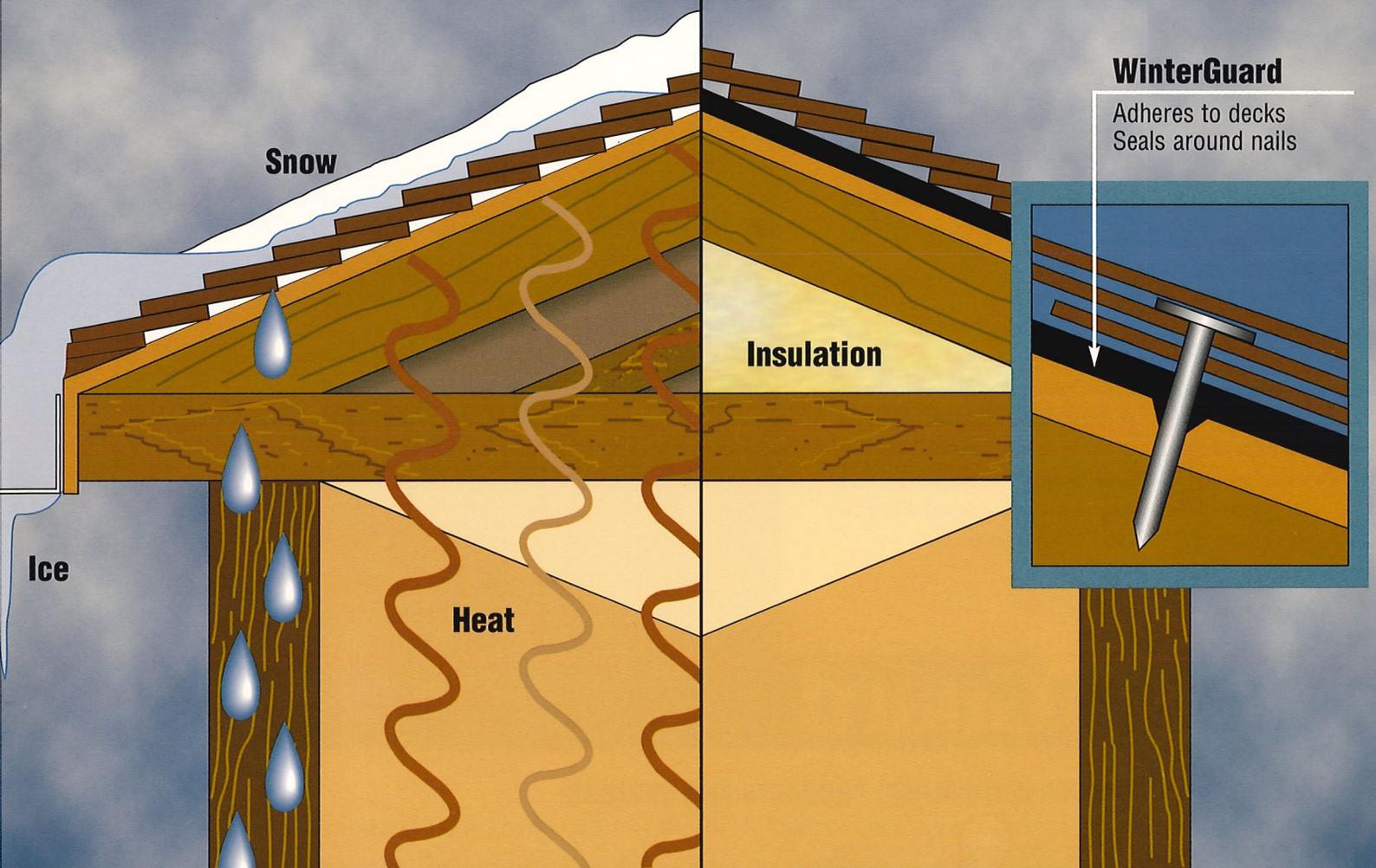
Your best defense against winter leaks

## Problem

Ice dams – nasty build-ups of ice and snow – form from freeze-melt cycling on your home's roof deck. When the ice and snow melt, trapped water can seep through the roof, damaging the roof deck, insulation and the interior of your home.

## Solution

WinterGuard waterproofing shingle underlayment is installed between the roof deck and the shingles, creating a weather-tight barrier that prevents backed-up water from getting into your home.



**CertainTeed** 

Quality made certain. Satisfaction guaranteed.™

The WinterGuard™ Series of water-proofing shingle underlayments are applied under roof shingles during new construction or re-roofing to protect your home's interior from winter leaks caused by ice dams and wind-driven rain.

### How WinterGuard works

WinterGuard is a composite material of asphalt polymers, formed into a rolled sheet. The asphalt provides the waterproofing. The polymers make the asphalt elastic and sticky, all the way through the sheet. The result is an amazing ability to both stretch and cling. This means that WinterGuard doesn't rip when stressed, and seals around nails driven through it. It sticks to a clean roof deck like glue. And it won't dry out during the warranted lifetime of an asphalt shingle system. The result is a waterproof barrier beneath your shingle system, which pooled water and driven rain cannot penetrate.

### Easy to install

WinterGuard's split-release backing sheet is easier to remove and handle than many competitive products, saving time and money on the installation. It can also be repositioned before deck adhesion occurs. WinterGuard must be applied to a clean, dry, bare deck – never over shingles or underlayment. (See application instructions for more details.)

### Available in 3 different surface finishes

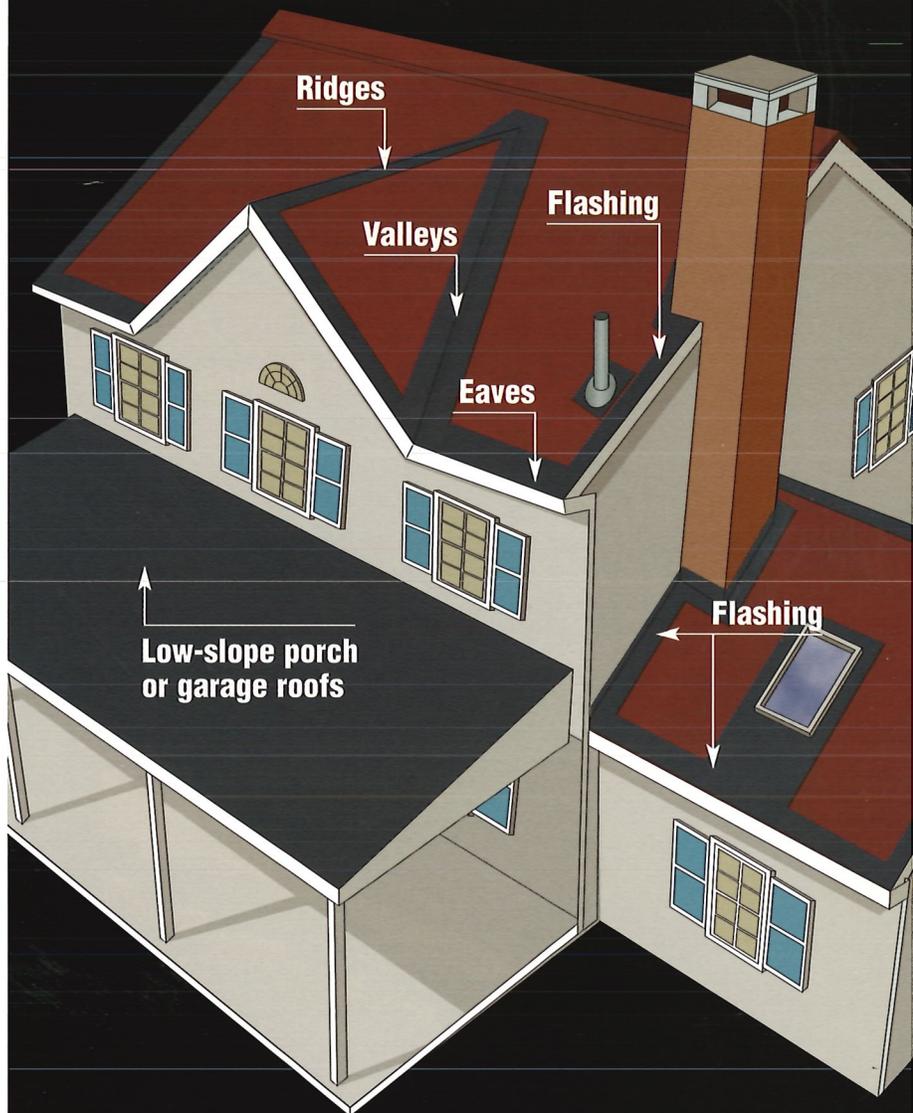
WinterGuard comes in three different surface finishes – Sand, HT and Granular – to satisfy every contractor and regional preference.

**Sand** – available in both standard roll (65' x 3') and "short" roll (32.5' x 3')

**HT** – available in standard roll (65' x 3')

**Granular** – available in standard roll (65' x 3')

And don't forget to use CertainTeed's high-performance underlayment, **Roofers' Select™**. It's reinforced with fiber glass to provide extra resistance to wrinkling and strength to prevent tear out from fasteners.



### Specifications

- Conforms to ASTM D1970 standard
- Has UL Class A, B or C rated shingle system classifications

Surface Finish	Length	Width
Sand "short"	32.5'	3'
Sand	65'	3'
HT	65'	3'
Granular	65'	3'

- Limited warranty takes on the warranty duration of new shingles applied on top of WinterGuard up to a maximum of 50 years (see warranty for specific details and limitations).

# WinterGuard™

### ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

EXTERIOR: ROOFING • SIDING • WINDOWS • FENCE • RAILING • TRIM • DECKING • FOUNDATIONS • PIPE  
 INTERIOR: INSULATION • GYPSUM • CEILINGS

CertainTeed Corporation  
 P.O. Box 860  
 Valley Forge, PA 19482

Professional: 800-233-8990  
 Consumer: 800-782-8777  
[www.certainteed.com](http://www.certainteed.com)



**Mixed Sources**  
 Product group from well-managed  
 forests, controlled sources and  
 recycled wood or fibre  
www.fsc.org Cert no. SW-COC-002315  
 © 1996 Forest Stewardship Council



**Applicable Standards:**

ICC ESR-1492

Miami-Dade Product Control Approved

UL 790: Classified for use as underlayment beneath Class A, B, or C fire rated shingle systems

ASTM D 1970

Florida Product Approval # FL 11288

CSA A123.22

**WinterGuard Products by Surface Finish**

**PHYSICAL DATA**

	Sand (short)	Sand	Granular	HT (film)
Roll Area (sq.ft.)	97.5	195	195	195
Roll Length (ft.)	32.5	65	65	65
Roll Width (ft.)	3	3	3	3
Thickness (mils. typical)	60	60	60	45
Side Laps (in.)	6	6	4	4
End Laps (in.)	6	6	6	6
Shipping Weight (approx. lb/roll)	36	68	68	51
Packaging (cartons/pallet)	30	20	20	20

**TECHNICAL DATA**

Per ASTM D1970	ASTM Test	Requirement	Granular	Sand	HT film
Maximum Load at Break MD CMD	D2523	≥ 25 lbf/in	Pass Pass	Pass Pass	Pass Pass
Elongation at Break (Modified Bitumen Portion)	D2523	≥ 10%	Pass	Pass	Pass
Adhesion to Plywood (75°F)	D903	≥ 12 lbf/ft	Pass	Pass	Pass
Thermal Stability	D1204	≤ 3 mm	Pass	Pass	Pass
Flexibility Temperature	D1970	Pass @ -20°F	Pass	Pass	Pass
Tear Resistance MD CMD	D4073	≥ 20lbf/in	Pass Pass	Pass Pass	Pass Pass
Moisture Vapor Permeance	E96	< 0.1	Pass	Pass	Pass
Sealability Around Nail	D1970	No Leakage	Pass	Pass	Pass
Waterproof Integrity of Laps	D1970	No Leakage	Pass	Pass	Pass

**INSTALLATION**

**Storage:** Store WinterGuard rolls in their packaging in a dry, protected area at a temperature not exceeding 110°F.

**Deck Preparation:** Clean the roof deck until it is free of dirt, dust, nails, and other materials. Providing a clean, dry and smooth deck surface is important to assure proper adhesion of the WinterGuard to the deck. Before application to existing roofs, remove all roofing materials including the roofing felt and nails.

**Priming:** Priming is not necessary for clean and dry wood decks. Concrete and masonry deck surfaces and oily metal surfaces require priming with an asphalt primer meeting ASTM D 41 standards, such as CertainTeed's FlintPrime™, or equivalent. Before WinterGuard is applied, primer must be dry. Follow manufacturer's instructions for the application of the primer.

**Membrane Application at the Eaves for Ice Dam Protection:** WinterGuard can be applied in any length convenient to the applicator. First, align unrolled material with lower edge of roof and hold in place. Lift starting end of material approximately 1 foot, peel back and fold under at least 6 inches of both sheets of protective release film. Carefully return the exposed adhesive surface to the deck and press firmly in place. If, at lower temperatures, the material does not adhere immediately, tack it in place with roofing nails. Under no circumstances should staples be used with WinterGuard products. Re-roll material from the other end until the peeled and folded back film is exposed.

2027 County Route 23 Middle Granville, NY 12849 (CPU, UPS & FedEx ONLY)

or PO Box 248 Granville, NY 12832 (USPS Mail)

1-866-USA-SLATE

Phone: (518) 642-2530

Fax: (518) 642-9313

mflower@evergreenslate.com



# SALES ORDER

Date	Order #
7/26/2021	AABO21688

**Sold To:** Cleveland Slate & Copper  
 Gabor Koszoru  
 5380 Naiman Parkway  
 Suite J  
 Solon, OH 44139

**Phone:** (440)519-0700  
**Fax:**

**Ship To:** Cleveland Slate & Copper  
 Gabor Koszoru  
 5380 Naiman Parkway  
 Suite J  
 Solon, OH 44139

**Phone:** (440)519-0700  
**Fax:**

Terms See below	Rep Mike	P.O. Number	Ship Via LTL
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**\*\*Concerning all slate... it is Nature's product and therefore no two pieces are alike. Natural veining and markings can occur.**

**All roofing slate to be holed (unless otherwise noted), palletized and delivered for customer unloading.**

**Approximate Lead Time: 10 - 14 weeks to ship, based on current inventory, from receipt of deposit and cut template**

**Non-refundable 50% deposit required for placement of order; balance due prior to shipment.**

**\*\*Special cut slate orders are non-cancelable and non-returnable.**

**\*Cut template required for special cut slate...**

**\*\*Includes common carrier (LTL) delivery to Solon OH for customer unloading\*\***

Qty	Units	Description	Est. Weight	Price/Ea	Extended Px
9.0000	Square	SEMI-WEATHERING GRAY-BLACK 14 x 08 x (1/4 - 3/8)	9,000	\$482.00	\$4,338.00
2.0000	Square	SEMI-WEATHERING GRAY-BLACK 14 x 08 x (1/4 - 3/8) W/CLIPPED CORNERS	2,000	\$707.00	\$1,414.00

11.0000	Total
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<b>Est. Total Weight:</b>	11,000
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<b>Sales Tax:</b>	<b>\$0.00</b>
<b>Grand Total:</b>	<b>\$5,752.00</b>

**From:** Mike Flower mflower@evergreenslate.com   
**Subject:** Alternate Slate Quotes  
**Date:** July 26, 2021 at 08:24  
**To:** clevslate.copper@me.com



Gabe,

I apologize for the delay in getting back to you but my production manager was doing his best to come up with a similar alternate. Unfortunately, these two options have a higher cost but the lead time fits your schedule. One is based on a 16 x 8 gray-black slate; the second is based on us trimming the 16" long slates to 14".

There are no other options at present that would work any better. If you could postpone the work we could get you the originally quoted material in 10 – 14 weeks.

Please let me know if you have any questions. Thanks and have a great day....

R/Mike  
Michael S. Flower  
Sales Representative  
Evergreen Slate Co. Inc.

\*\*Normal Office Hours; M – F, 8 am to 4:30 pm (Closed on Sat/Sun)

Toll-free 866.815.2900  
[www.evergreenslate.com](http://www.evergreenslate.com)



ASTM S-1 Class 3 & 4 Hail Rated Class A Fire-Rated 100-year Limited  
Warranty Miami-Dade County FL Wind Uplift Certification



oledata.mso



Gabe @  
Clevela...03.pdf

## RHINOROOF® U20 TECHNICAL DATA

### SPECIFICATION

LENGTH PER ROLL:	286' (87 M)
WIDTH PER ROLL:	42" (1.1 M)
WEIGHT PER ROLL:	23.5 LBS (10.6 KG)
ROLL SIZE:	10 SQ (93 M <sup>2</sup> )
ROLLS PER PALLET:	67
PALLET WEIGHT:	1626 LBS (738 KG)

### TECHNICAL DATA

#### TEST & STANDARD TEST METHOD

Meets or exceeds the following test standards

Breaking Strength	ASTM D146
Pliability	ASTM D146
Loss of Heating	ASTM D146
Unrolling	ASTM D226
Liquid Water Transmission	ASTM D4869
Tear Resistance	ASTM D4073
Dimensional Stability	ASTM F1087
Pliability	CSA A 123.3
Moisture Vapor Permeance	ASTM E96
Burst Strength	ASTM D751
Class A Fire**	ASTM E108

### MEETS CODES

- Meets ASTM D226 Types I & II and D4869 Types I & II
- Meets ASTM D8257
- Meets CAN/CSA A123.3
- Class A Fire - ASTM E108 (as part of a system)\*\*
- Texas Department of Insurance
- Florida Product Approval

\* Test data based on average of samples tested in accordance with ASTM 4533.

\*\* See actual warrant for complete details, limitations and requirements.

\*\*\*ASTM E108 / UL 790 Class A Fire Resistant when installed under asphalt shingles.



CCRR-1015  
FBC #FL15216

Install right from the start with

## RHINOROOF® U20

SYNTHETIC UNDERLAYMENT

DUAL LOGO PRINTING AVAILABLE



### INSTALLATION INSTRUCTIONS

RhinoRoof® U20 is a water and vapor barrier and therefore must be installed above a properly ventilated space(s). Follow ALL building codes applicable to your geographical region and structure type as it is considered a vapor barrier.

Always follow safe roofing practices and OSHA safety requirements. Always wear and use fall protection devices when working on roofs. Use caution when walking or standing on RhinoRoof® U20 underlayment in wet or dusty conditions that may reduce traction. Failure to use proper safety equipment and footwear can result in serious injury.

**DECK PREP:** RhinoRoof® U20 should be applied to a properly prepared dry deck that is smooth, clean and free from any depressions, projections, or protruding nails. Acceptable roof deck materials are minimum 3/8 inch plywood, minimum 7/16 inch OSB, or minimum 6 inch roof deck boards. Roof decks should be structurally sound and meet or exceed minimum requirements of the roof deck manufacturer and local building codes.

**USE:** RhinoRoof® U20 must be covered by primary roofing within 90 days of application. U20 is designed for use under asphalt or synthetic shingles, metal in residential applications, and cedar shakes that have been primed.

**APPLICATION:** Slopes from 4:12 and higher: RhinoRoof® U20 is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4 inches and vertical laps should be 6 inches and anchored approximately 1 inch in from the edge. End laps in a succeeding course should be located at least 6 feet from laps in the preceding course.

Slopes 2:12 to less than 4:12: Cover the deck with two layers of RhinoRoof® U20. Begin by fastening a 22 inch wide strip of RhinoRoof® U20 along the eaves with the minimal fasteners need to hold the course in place. Place a full-width sheet over the 22 inch course and overlap each successive course by 50% plus 1 inch. Additional fasteners may be required in high-wind regions per local building codes. Vertical lap requirements are the same as 4:12 and higher slopes. Slopes less than 2:12: RhinoRoof® U20 is not recommended for use.

**FASTENERS:** Provided there is no rain or high winds, RhinoRoof® U20 can be anchored with staples, cap staples or corrosive resistant 3/8 inch head X 1 inch leg roofing nails (ring shank preferred, smooth leg acceptable), when covered with primary roofing on the same day.

If RhinoRoof® U20 will not be covered on the same day and up to 90 days, then product must be attached to the roof deck using a minimum 1 inch diameter plastic or metal cap roof nail (ring shank preferred, smooth leg acceptable). Miami-Dade approved tin tags/metal caps are also acceptable, and it is recommended for best performance to use with the rough edge facing up. For extended exposure, it is required that RhinoRoof® U20 be anchored in all locations printed on the facer. Consult local building codes for fastener type and spacing requirements.

For extended exposure conditions where driving rain or strong winds are expected, it is recommended to take additional precautions such as doubling the lap widths. Alternatively or in addition to, a compatible sealant could be used between the laps or a peel and stick tape could be applied to the overlaps.

**ANCHORING:** All anchoring nails must be flush, 90 degrees to the roof deck, and tight with the underlayment surface and the structural roof deck. Where seams and joints require sealant or adhesive, use a low solvent plastic roofing cement meeting ASTM D-4586 Type 1, or Federal Spec SS-153 Type 1 such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant.



RhinoRoof® U20 Synthetic Underlayment

Charleston, SC • Mission, BC • Montréal, QC

eavetopeak.com • email: answers@owenscorning.com

Toll Free: 800.567.9727

Pub. No. 10023523-B  
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The image shows two rectangular, dark grey slate tiles leaning against a rough, light-colored concrete wall. The tiles have a slightly textured surface with some natural veining and small dark spots. The wall behind them is made of concrete with a porous, aggregate texture. To the right, a white, vertically-ribbed downspout is visible. The ground in the foreground is covered with a layer of dark gravel or crushed stone.

Proposed Example of Slate







