

ready»slate
by CUP4GROUP

INSTALLATION INSTRUCTIONS

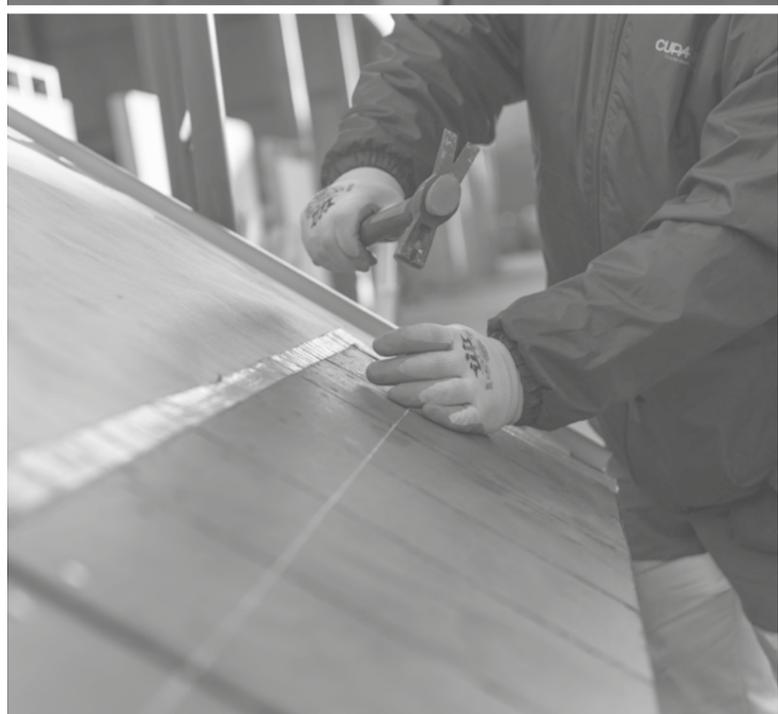
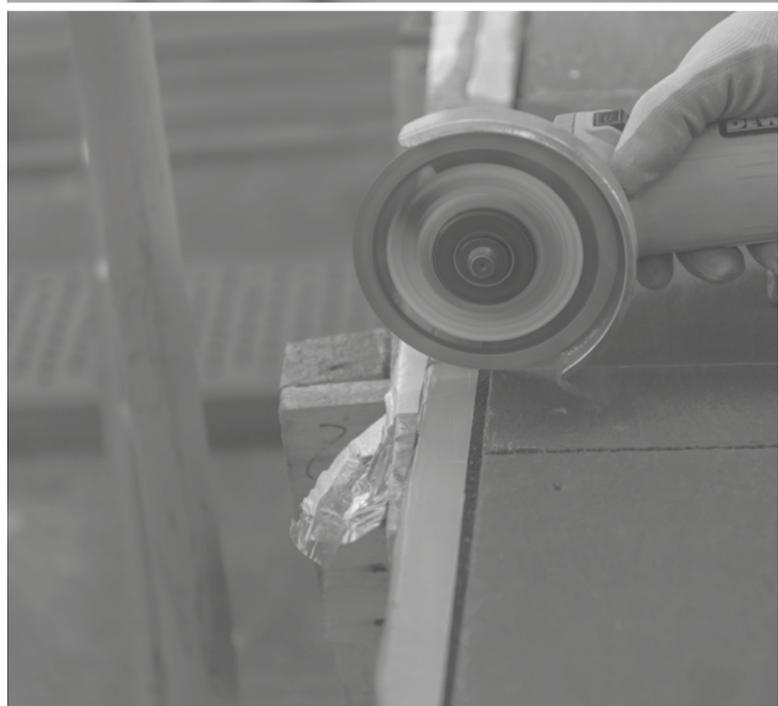


TABLE OF CONTENTS

.....3
RECEIVING AND CHECKING GOODS

.....4
IMPORTANT INFORMATION

.....4
HANDLING AND STORAGE INSTRUCTIONS

.....4
PREPARING THE ROOF DECK

.....4
READYSLATE® MODULES

 Specifications

 Description

 Instruments and accessories

.....5
INSTALLATION

.....6
WATERPROOFING

 Roof eaves and rakes

 Ridge

 Valleys, hips and vertical walls

 Other singular points and flashings

.....7
MAINTENANCE



IMPORTANT INFORMATION

Please **consider the following aspects** in order to ensure the correct installation of READYSLATE® modules:

- Before installation check you local building codes for roof requirements.
- Membrane temperature should not exceed 122 °F (50°C) during installation.
- Do not install on pitch less than 18.5 degrees (32%).
- The substrate must be properly prepared before starting any roofing job (see below).
- Remember to consider any possible interactions between READYSLATE® waterproof SBS membrane and any other waterproofing elements used, if any."



RECEIVING AND CHECKING GOODS

Upon delivery, **please examine** the product for any possible damage.

Exhaustive quality controls are performed as we inspect each and every one of our READYSLATE® modules when they leave our factory. However, despite the protective wrapping, damages may be caused to READYSLATE® modules during transport. Problems should be documented and reported immediately to the freight carrier or transport company.

CUPA PIZARRAS declines all liability for damage caused during transport unless notified within 48 hours of delivery.



HANDLING AND STORAGE INSTRUCTIONS

Outdoor storage **is not recommended**.

When no other option is available, READYSLATE® modules must be completely covered and protected by a waterproof canvas.

Store at a maximum temperature of 110 °F (43°C). Place modules on a flat area, preventing them from bending, and with slates facing upwards at all times. Do not remove the packaging until they are about to be installed.

READYSLATE® modules must be stored in a dry place, protected from rain and extreme temperatures. This product is neither flammable nor toxic.

Before the installation, the self-adhesive membrane shouldn't be exposed to sun, to protect it against ultraviolet rays. Once the installation is completed, READYSLATE® modules are ready to withstand the sun's heat and powerful rays.



PREPARING THE ROOF DECK

Remember to **inspect the existing** roof sheathing before installing READYSLATE®.

The substrate must be clean and kept dry at all times during installation.

Locate and fix any holes, wet or uneven areas that could affect the performance of READYSLATE®.

The roof deck must consist of one of the following options:

- 1"x 6" (25mm x 152mm) sized boards.
- 15/32" (12mm) or greater APA plywood.
- 7/16" (11mm) or greater APA OSB strand board.

Roof deck and underlay must be in accordance with local building codes.

Ventilation must meet or exceed current F.H.A., H.U.D. and local code requirements.

All underlay must be installed per manufacturer's requirements.

READYSLATE MODULES



*Acceptable measurements for the tile modules with slate pieces of 12''x 8'' (300x200mm). Tile modules with different dimensions may vary in sizes.

READYSLATE® modules are composed of two layers:

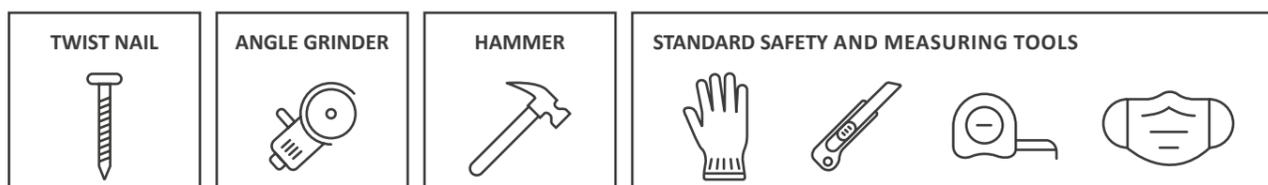
- **Support layer:** Waterproofing bituminous self-adhesive membrane composed of a non-woven polyester felt reinforcement and covered with SBS modified bitumen mastic.
- **Visible layer:** High quality 3-4mm thick hand-quarried natural slates with a density of 2850 Kg/m³. Individual tiles are predrilled and marked with an overlapping reference in order to simplify the installation process.

DESCRIPTION

Module	2-layer construction	51.2'' x 13'' x 0.24''	1300 x 330 x 6mm
Toplayer	6 x natural slates	12''x 8'' - 3.5mm thickness	300 x 200 x 3,5mm
Bottomlayer	SBS waterproofing membrane	2.5mm thickness	2,5 mm thickness
Natural slate	Tectonic natural slate	Ø3.5mm	Ø3,5 mm predrilled holes

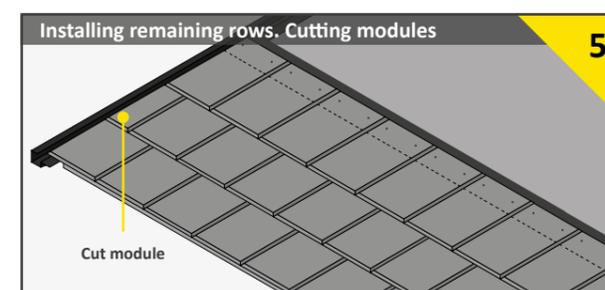
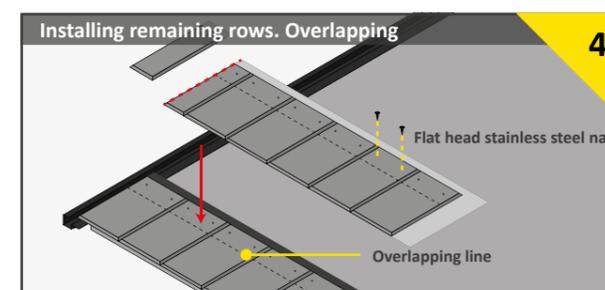
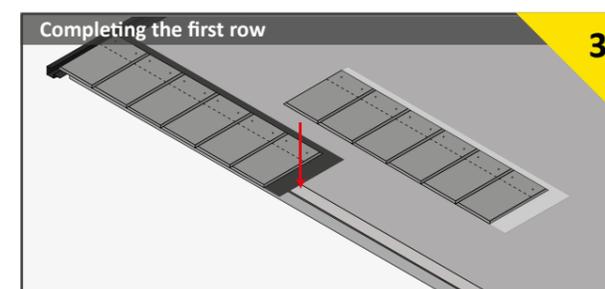
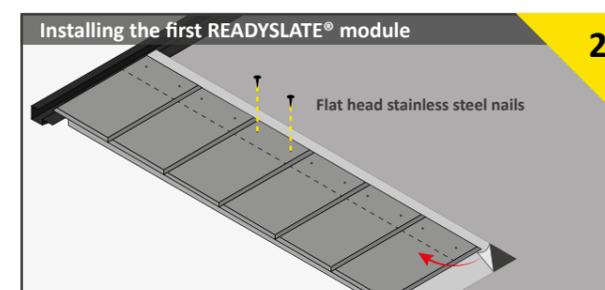
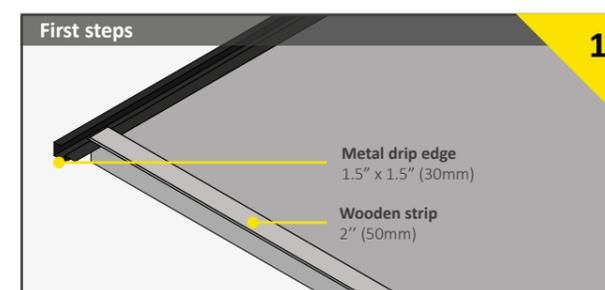
INSTRUMENTS AND ACCESSORIES

READYSLATE® modules **must be installed** with (at least) 1/4'' (7mm) flat head stainless steel twist nails 10-11 Gauge (2,7mm diameter) and minimum 1.5'' (40mm) long roofing stainless steel twist nails.



Slate is a natural product and as such there are not two identical pieces. It's created by natural forces and it's composed of many different minerals that is impossible to recreate the same slate twice. Even in the same quarry, it can be variations in color and texture. Each slate is handcrafted and goes through a rigorous classification process. In some cases, the top corners may be damaged or cut off but this does not affect the finished look for the roof or its ability form a seal.

INSTALLATION



Remember to follow the instructions on page 3 when preparing the roof deck. Install a 1.5'' x 1.5'' (30mm) or wider metal drip edge. This will allow READYSLATE® modules to extend laterally at least 1.5'' (30mm). The metal drip edge shall be fastened with nails fabricated from compatible material.

Fix a 1/8'' (5 mm) thick and 2'' (50 mm) wide wooden strip to the roof eave installed with flat head 10-11 Gauge (Ø2,7mm) stainless steel twist nails 1.5'' long (40 mm).

READYSLATE® must be installed with min. 1/4'' (Ø7mm) flat head stainless steel 10-11 Gauge (Ø2,7mm) twist nails at least 1.5'' long (40 mm). All individual slate tiles are predrilled to simplify the process.

READYSLATE® modules must be nailed to the roof deck (never to the wooden strip) so they extend 2'' (5-7 mm) from the edge of the building.

Once fitted, peel back the protective film.

Repeat for all READYSLATE® modules in the first row, covering the waterproof sheet area at the right of each module.

Remember to make all necessary measurements and markings to ensure all READYSLATE® modules project the same from the edge of the building.

For the final slate module on a row, measure the gap between the last slate of the module and the edge of the roof and cut to size. Keep the remaining part of the slate module for the installation of the next row.

Use a angle grinder or a circular saw with an appropriate stone cutting disc to cut half of the first slate tile.

Remaining rows must be always installed overlapping the joints of the preceding module.

All READYSLATE® modules are marked with an overlapping line. The lower edge of all overlapping modules must coincide with this line to ensure all modules are correctly laid.

Simply cutting a small part of the first READYSLATE® module in alternate rows ensures the correct coverage of all joints of the preceding row.

Follow the instructions in step 4 for all remaining rows, cutting part of the modules when needed.

Do not throw any remaining pieces; they will come in handy when adapting other modules.

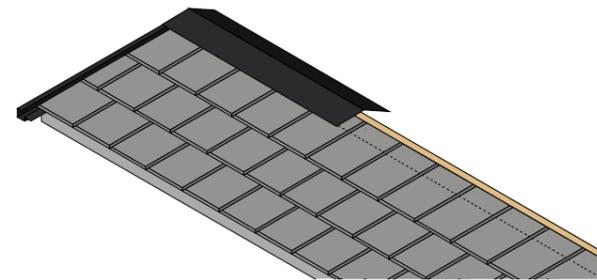
WATERPROOFING

ROOF EAVES AND RAKES

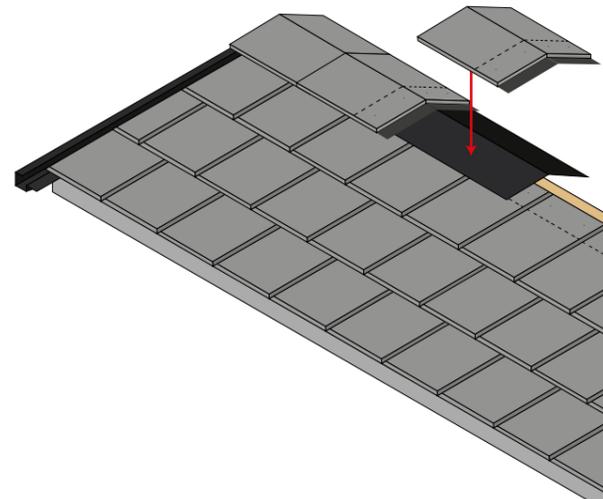
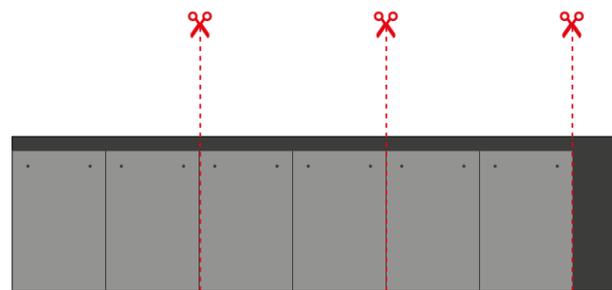
A drip edge constructed from formed metal flashing shall be used in all eaves and rakes. The metal drip edge shall be fastened with nails fabricated from compatible material. Installation over drip edges is performed as explained in previous sections.

RIDGE

Nail a wooden strip along the ridge and adjust the last READYSLATE® modules so they fit in the remaining space. Metal flashing should be installed at ridge. It shall be fastened with nails fabricated from compatible material. Make sure the ridgepole is correctly installed to ensure a water-resistant seal, using a polyurethane construction adhesive when required.



The ridge cap can be made directly from the READYSLATE® panels. Cut two slate pieces from the module and place them over the metal flashing. Continue to cover the entire area, overlapping the previous tiles making sure the holes are covered as shown in the picture. Use proper EPDM sealing screws to guarantee the ridgepole waterproofing.



VALLEYS, HIPS AND VERTICAL WALLS

Durable metal flashings can be used for waterproofing roof valleys, hips or vertical walls. Flashings shall be installed according to local building codes. READYSLATE® can be easily cut with the aid of a hand-held circular saw, allowing for easy adjustment of the modules when needed.

OTHER SINGULAR POINTS

READYSLATE® modules can be combined with any other waterproofing solution, such as metal sheets or flashing in metal or other materials. *For further information please contact our Technical Department.*

MAINTENANCE

Regular maintenance and roof cleaning are **absolutely necessary** in order to prevent roof degradation. When properly maintained, the roof is more resistant to external aggressions, more beautiful and more efficient against water infiltrations.

There are some minimum requirements that you should carry out regularly:

- General inspection of the waterproofing elements, overview all the additional works (like chimneys, clerestories, gutters etc)
- Check and clean the water drainage systems, periodical removal of moss, mold and other sediments and residues...

How often you should do maintenance work really depends on several factors that affect the condition of your roof.

One of the best things you can do for your roof doesn't involve much work at all: pay attention to it! Keep an eye on your roof.



ready»slate

READYSLATE USA
2600 Louisville Road, Savannah, GA 31415
Ph. +1 866 421 1171

READYSLATE INTERNATIONAL
A Medua s/n, 32330 Ourense, Spain
Ph. +34 988 33 54 10

readyslate@cupapizarras.com



READYSLATE.COM