

## BENEFITS OF THE SOLUTION



UV RESISTANT



IMPACT RESISTANT



THERMAL COMFORT



FAST TO INSTALL



LIGHTWEIGHT

Exclusive to Onduline, ONDUCLAIR® RENOV is the optimal external **renovation and insulation solution for fibre cement and metal roofings**, offering a host of advantages.

### RENOVATE ROOF COVERINGS TO FIT YOUR NEEDS

ONDUCLAIR® RENOV is a flexible package solution that makes building renovation easy:

- The system adapts to fit over the initial roof covering: numerous profiles available to preserve the initial aesthetics of the building. ONDUCLAIR® RENOV is available in a broad palette of colours.
- ONDUCLAIR® RENOV comes in two versions:
  - FC: a corrugated version, designed for fibre cement sheet roofing;
  - ST: a ribbed version for metal roofing.

### OFFERS A FULL-PACKAGE SYSTEM

In order to deliver a weather-tight installation with the perfect finish, ONDUCLAIR® RENOV comes complete with a full range of specifically-designed accessories (flat ridge tiles, roof-to-wall connections, verges) as well as translucent sheets for skylight sections.

The system is built around a specific set of fasteners that make it possible to perform roofwork without having to stop activity inside the building underneath. For renovation work on fibre cement roofing sheets, the fasteners snap-fit without piercing, as stipulated under current asbestos legislation.

### DELIVERS STRUCTURAL SECURITY VIA:

- **fire protection** if fitted with a polyester top skin Euroclass fire performance-rated as B-s3, d0 and an A1-rated rockwool insulation layer.
- **gives lasting roof protection** via the outstanding resistance to chemicals in corrosive atmospheres (if fitted with an ONDUCLAIR® PROTECT-type top skin), efficiently stopping any further breakdown of the initial roof material.
- **the lightness of the system** (around 3 kg/m<sup>2</sup> with insulative expanded polystyrene - EPS 30 mm), which minimizes strain on roof framework. This lightness also makes the system manageably quick and easy to install.

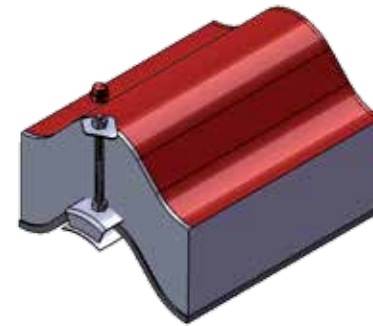
### LIGHT ON COSTS, HEAVY ON PROTECTING PEOPLE, PROPERTY AND THE ENVIRONMENT

The ONDUCLAIR® RENOV system lays over the top of the existing roof, which means substantial savings as it eliminates the need to strip down the old roof and process and dispose of the old roof material. The fibre cement sheets do not need piercing, which enables compliance on current asbestos legislation while getting the roofwork done quickly without causing activity downtime and without having to relocate the infrastructures – all of which translates into big savings!

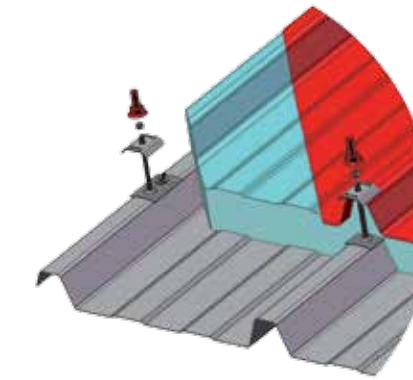
The sheet length options available (up to 12 m) minimizes overlaps on the final roof covering, which optimizes both functional weather-tightness and aesthetic appearance.

## SYSTEMS ON OFFER

### ONDUCLAIR® RENOV FC



### ONDUCLAIR® RENOV ST



## ROOFING ACCESSORIES AVAILABLE

- Flat ridge and mono-pitch ridge
- Roof-to-wall connections
- Verges
- Reinforced-frame sheeting
- Eaves flashings
- Translucent sheets for skylight sections
- ONDUBAND® for sealtight weatherproofing (for roof penetrations)



# ONDUCLAIR® RENOV



Insulating  
over-roofing  
Lightweight  
Fast-fit installation



Onduline®

www.onduline.com



PUBLIC-ACCESS  
BUILDINGS



FARM  
BUILDINGS



INDUSTRIAL  
BUILDINGS

Onduline®

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Onduline French limited liability company with managing board and supervisory board, share capital of €11,323,485.05 - R.C.S. Nanterre 552 088 361

Agency: MK&SR - 800105A - 10/2013 - Not contractually binding. All information given is for illustrative purposes only and may be modified without notice.

*A wide product range in a field-proven renovation and insulation solution.*

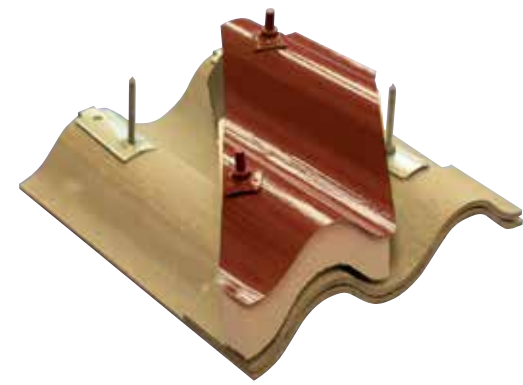
### INSULATES FOR THE LONG-TERM

ONDUCLAIR® RENOV keeps your structure built-to-last by adding on an external insulation layer. Its wicks away condensation from the roof covering underlayment in building projects with low to medium humidity levels. The multi-layering system package thus protects the initial uninsulated roof covering against climate stresses. In this way, ONDUCLAIR® RENOV helps cut your energy bills.

## TYPICAL APPLICATIONS

ONDUCLAIR® RENOV is an over-roofing system for renovating and insulating fibre cement roofs (with or asbestos-free) and metal roofs.

- Industrial facility buildings
- Public-access buildings
- Farm buildings
- Tertiary-sector buildings



## ONDULINE, INDUSTRY INSIGHT PUT TO WORK FOR YOU

### Your satisfaction comes first!

- Global presence with agencies in over 100 countries across all 5 continents to reach out to our customers and better capture their needs! A broad product range, industry expertise and market insight to select the best-fit system, from lightweight roofing solutions to exclusively-designed cutting-edge build systems.
- Outstanding expertise in plastics-based covering and daylighting systems (production and marketing since 60 years) to offer you modular technical solutions that seamlessly fit your needs.
- Start-to-finish support throughout your projects: technical service, layout plans, custom-tailored deliveries, and more.



## TECHNICAL SPECIFICATIONS

	ONDUCLAIR® RENOV FC PSE	ONDUCLAIR® RENOV FC LR	ONDUCLAIR® RENOV FC PSE FR/CH	ONDUCLAIR® RENOV FC LR FR/CH	ONDUCLAIR® RENOV ST PSE	ONDUCLAIR® RENOV ST LR	ONDUCLAIR® RENOV ST PSE FR/CH	ONDUCLAIR® RENOV ST LR FR/CH
Description	System combining polystyrene insulative panels and glass fibre reinforced polyester roofing sheets	System combining rockwool insulative panels and glass fibre reinforced polyester roofing sheets	System combining polystyrene insulative panels and glass fibre reinforced polyester roofing sheets (specific fire-retardant and chemical-protective formulation)	System combining rockwool insulative panels and glass fibre reinforced polyester roofing sheets (specific fire-retardant and chemical-protective formulation)	System combining polystyrene insulative panels and glass fibre reinforced polyester roofing sheets	System combining rockwool insulative panels and glass fibre reinforced polyester roofing sheets	System combining polystyrene insulative panels and glass fibre reinforced polyester roofing sheets (specific fire-retardant and chemical-protective formulation)	System combining rockwool insulative panels and glass fibre reinforced polyester roofing sheets (specific fire-retardant and chemical-protective formulation)
Usage	Over-roofing							
Profile	Fibre cement corrugated profile 177/51				Metal roofs			
Dimensions	According to profile and project requirements							
Polyester thickness	1.3 or 1.7 mm		1.45 mm		1.3 or 1.7 mm		1.45 mm	
Insulation thickness	30, 50, 80 mm	50, 80 mm	30, 50, 80 mm	50, 80 mm	65 mm with 85 mm on request			
Insulation	Expanded polystyrene/ Graphite on request (in 80-mm thickness)	Rockwool	Expanded polystyrene/ Graphite on request (in 80-mm thickness)	Rockwool	Expanded polystyrene/ Graphite on request (in 80-mm thickness)	Rockwool	Expanded polystyrene/ Graphite on request (in 80-mm thickness)	Rockwool
Finish	Double sided UV protection							
Colours	 1 Light ivory (RAL 1015) 2 Grey blue (RAL 5008) 3 Reseda green (RAL 6011) 4 Red brown (RAL 8012) 5 Pure white (RAL 9010) 6 Basalt grey (RAL 7012) 7 Light grey (RAL 7035) 8 Anthracite grey (RAL 7016)		 1 Off-white 2 Petrol blue 3 Light grey		 1 Light ivory (RAL 1015) 2 Grey blue (RAL 5008) 3 Reseda green (RAL 6011) 4 Red brown (RAL 8012) 5 Pure white (RAL 9010) 6 Basalt grey (RAL 7012) 7 Light grey (RAL 7035) 8 Anthracite grey (RAL 7016)		 1 Off-white 2 Petrol blue 3 Light grey	
	Other RAL colours available on request.		Available on request in most RAL-system colours or by colour-matching for specific colours.*		Other RAL colours available on request.		Available on request in most RAL-system colours or by colour-matching for specific colours.*	
Insulation fire rating	Euroclass E		Euroclass A1		Euroclass E		Euroclass A1	
Polyester sheet fire rating	E non-dripping		B-s3,d0		E non-dripping		B-s3,d0	
Vapour barrier	N/A		Aluminium		N/A		N/A	
Guarantee	10 years							

\*Call us for details.