



NEOLIFE®

BUILDING SOLUTIONS

CLAD 4 & CLAD 14 CLADDING

4 & 14cm channel cladding with strong shadow lines
for ventilated facades with or without external thermal insulation

TECHNICAL DATA SHEET

ref BAFT 01/2017 – 014 - EN



ADECCO HEAD OFFICE (Villeurbanne, France – 2016)

Architect : SAGITTAIRE ASSOCIES – CLAD 14 Sand 4000 sqm - Credit : Gilles Aymard



OUTLIFE
HABILLAGE EXTÉRIEUR



INNOV'R
Le booster des éco-innovations en Rhône-Alpes

PRODUCT ADVANTAGES



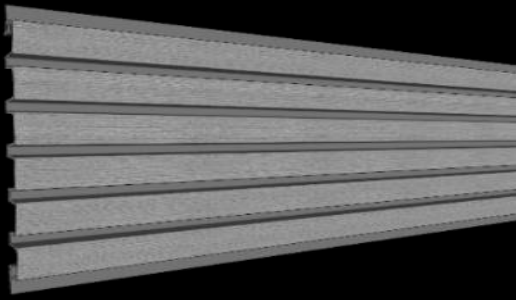
ARMATIS PROJECT (Calais, France)

Architect: SOHO
Completion: 2015
Product: Clad 4 Heat – 2000 m²

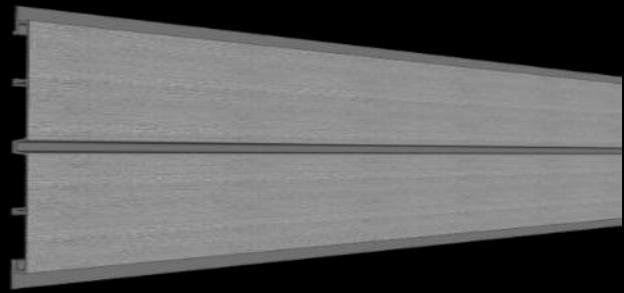


NEOLIFE®
BUILDING SOLUTIONS

DESIGN & ENVIRONMENTAL FRIENDLY



Clad 4 :
6 ribs of 4 cm



Clad 14 :
2 ribs of 14 cm



LENGTHS AND PROFILES

- 3.25 m long and 30 cm wide board: 1 sqm per board
- 6 ribs of 4 cm (CLAD 4) or 2 ribs of 14 cm (CLAD 14)
- Shadow line width : 1 cm
- Shadow line depth : 2 cm
- Possible combination of both boards – Clad 4 and Clad 14



AESTHETIC

- Unique aspect between wood and stone with small visible fibres
- Strong, random brushing catching light and creating natural appearance
- Marked slatted look with guaranteed regular grooving
- Only 5mm expansion joint at the end of the board

NATURAL

- Made of VESTA® X-Resist, an innovative reconstituted wood material
- 82% of wood fibres sourced from sustainably managed European forests
- Does not contain any toxic products, adhesives, coupling agents or heavy metals
- 100% French design & production
- Environmental assessment issued by the Swiss Eco-Bau laboratory, adapted for MINERGIE projects (Swiss equivalent to BREEAM / LEED projects)



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RESISTANCE

CLAD
ATEX CSTB
N°2176



ACCREDITED

- **Accreditation** issued by the French building office CSTB

STABLE AND ROT-PROOF

- **Exceptional dimensional stability** with only 1.2mm expansion per linear meter over 50°C temperature variation or 2mm/m over 80°C ; equal to aluminium
- **Rot-proof**, does not absorb humidity
- **100% insect-resistant** (including termites)
- **Stability to UVs**: stabilisation on the mineral pigment's colour
- **Graffiti and scratches** can be easily brushed out or cleaned off

RATINGS

- **FIRE REACTION:** **Class E (EN 13501-1:2007)**
equivalent to national class 1 in the UK
- **IMPACT TEST:** **No damages after hard and soft body impact**
max impact energies 50kg-130J / 3kg-20J / 1kg 3J
- **SEISMIC TEST:** **Highest seismic behaviour following EN 1998 & Eurocode 8,**
no risk of falling boards after static and / or dynamic test
- **WIND LOAD :** **Up to 2,71 kN / sqm shearing pressure following EN 1991 1-4**
with 400mm batten spacing
- **INSULATION CHARACTERISTICS :** **Lambda of 0,07 W/m.k**
Thermal conductivity lower than natural wood



NEOLIFE
BUILDING SOLUTIONS

EASY TO INSTALL



FAST & ACCURATE INSTALLATION

- Can be fitted vertically or horizontally on wood or metal structures
- 1 sqm boards with a weight of 9 kg only (CLAD 14) or 12kg (CLAD 4)
- Fast installation on ventilated batten structure with a 40 to 60 cm distance
- Interlocking of the boards for guaranteed regular & parallel grooves
- Very discrete fastening, with tinted head screws in the grooves.



CORNERS AND DETAILS

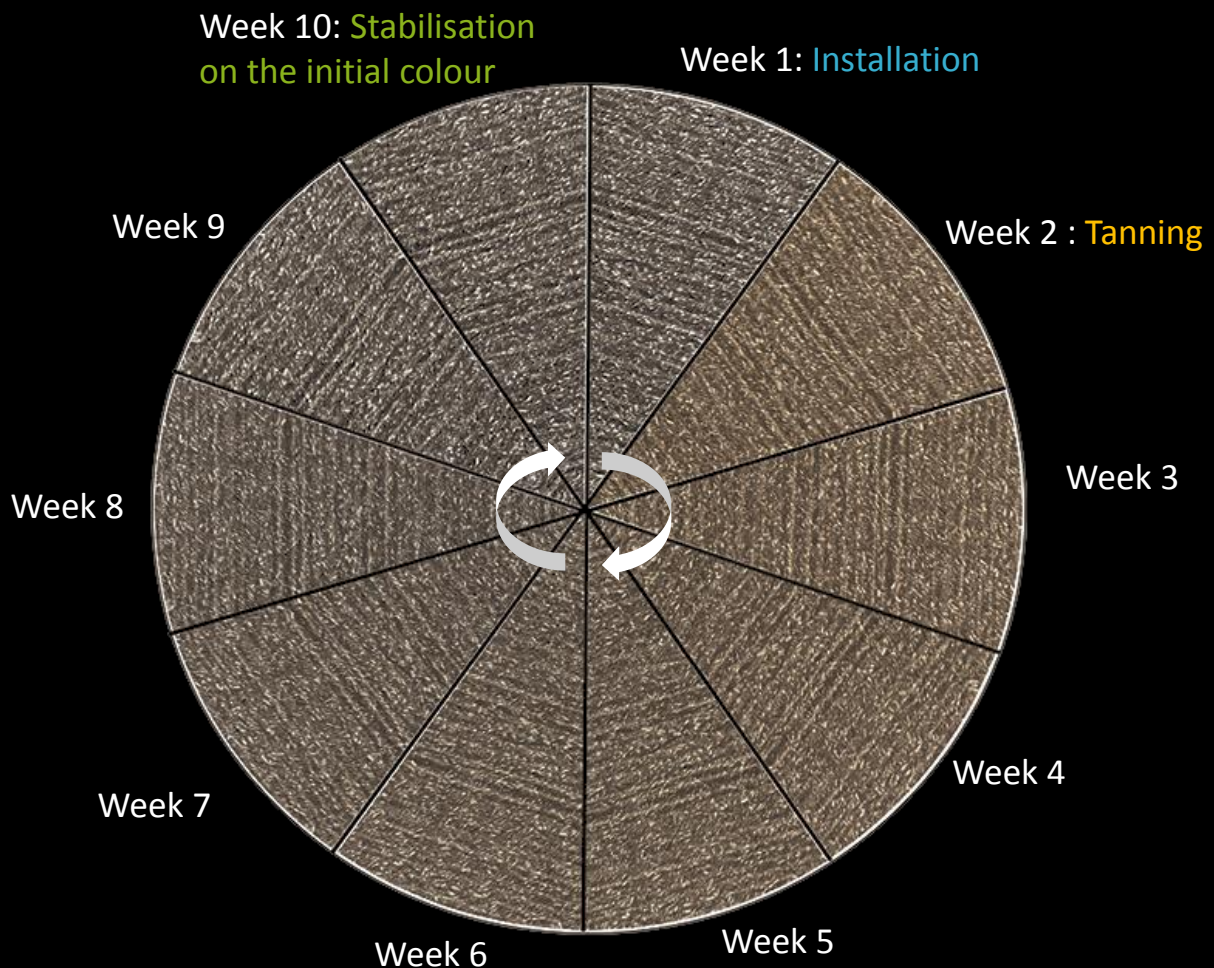
- Horizontal fitting: 45° mitre-cut for perfect regular corners or aluminium corner profile with adapted RAL colour
- Vertical fitting and soffits: With or without aluminium corner profile with adapted RAL colour



AGEING

BOARDS AGEING PROCESS

- VESTA® X-RESIST is a natural material composed of 82% of wood fibres and mineral pigments which bring the colour.
- Within a few weeks, the boards will stabilise on the mineral pigment's colour.
- In the meantime, the fibre will naturally tan before fading and return back to the mineral pigment's original colour.



The final patina will be obtained within 10 weeks:
the fibre will naturally tan before fading and return back to the mineral pigment's original colour.



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NATURAL COLOURS

SIX NATURAL COLOURS TINTED THROUGHOUT WITH MINERAL PIGMENTS

(*Informative RAL colours for accessories)



Night
* RAL 9004



Ocean
*RAL 7046



Sand
*RAL 1019



Sun
* RAL 1011



Heat
*RAL 8017



Earth
*RAL 8019

Due to the possible display variation between computers or printing inks, the colours presented on this sheet might appear differently from the real products or samples.



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PROFILES & ACCESSORIES

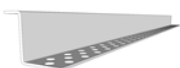
CLAD 4 and 14

References	Products	Colours	Profiles	Dimension	Weight
BA60325O4	Clad 4 cm - 6 waves	Ocean		325 x 30 x 2,85 cm (L x W x H) 1 pcs = 0,975 sqm	12 kg
BA60325H4	Clad 4 cm - 6 waves	Heat			
BA60325S4	Clad 4 cm - 6 waves	Sand			
BA60325U4	Clad 4 cm - 6 waves	Sun			
BA60325N4	Clad 4 cm - 6 waves	Night			
BA60325E4	Clad 4 cm - 6 waves	Earth			
BA20325O4	Clad 14 cm - 2 waves	Ocean		325 x 30 x 2,85 cm (L x W x H) 1 pcs = 0,975 sqm	9 kg
BA20325H4	Clad 14 cm - 2 waves	Heat			
BA20325S4	Clad 14 cm - 2 waves	Sand			
BA20325U4	Clad 14 cm - 2 waves	Sun			
BA20325N4	Clad 14 cm - 2 waves	Night			
BA20325E4	Clad 14 cm - 2 waves	Earth			

CORNER PROFILE

References	Products	Colours	Profiles	Dimension	Weight
BAPA300O1	Aluminium Corner - pack of 2 pcs	Ocean		300 x 6 x 6 cm (L x W x H)	2 kg
BAPA300H1	Aluminium Corner - pack of 2 pcs	Heat			
BAPA300S1	Aluminium Corner - pack of 2 pcs	Sand			
BAPA300U1	Aluminium Corner - pack of 2 pcs	Sun			
BAPA300N1	Aluminium Corner - pack of 2 pcs	Night			
BAPA300E1	Aluminium Corner - pack of 2 pcs	Earth			

PIERCED STARTING PROFILE

References	Products	Colours	Profiles	Dimension	Weight
BAPD300A1	Pack of 5 Aluminium profiles - 2 mm thickness	Neutral		300 x 4,3 x 4 cm (L x W x H)	2,5 kg



FIXINGS

A2 STAINLESS STEEL SCREW

References	Products	colours
VIS BA "RAL n°"	SFS Wood & Alu screw, tinted head - Box of 500 units Type SFS SN3/25 - 4,2 x 32mm - Inox A2 / A2 stainless steel	RAL color - Ocean / 7001 - Sand / 1019 - Night / 9004 - Heat / 8016 - Sun / 1011 - Earth / 8019
VIS ME "RAL n°"	SFS steel screw, tinted head - Box of 500 units Type SAS3/11 - 4,8 x 21mm - Inox A2 / A2 stainless steel	RAL color - Ocean / 7001 - Sand / 1019 - Night / 9004 - Heat / 8016 - Sun / 1011 - Earth / 8019

Number of screws per m ²	CLAD 4	CLAD 14
60 cm centre-to-centre spacing	13 / m ²	13 / m ²
40 cm centre-to-centrespacing	20 / m ²	20 / m ²
Number of screws / rib	1 / 3	Every ribs



INSTALLATION

KEY PRINCIPLES



BUSINESS CAMPUS PROJECT (Lyon, France)

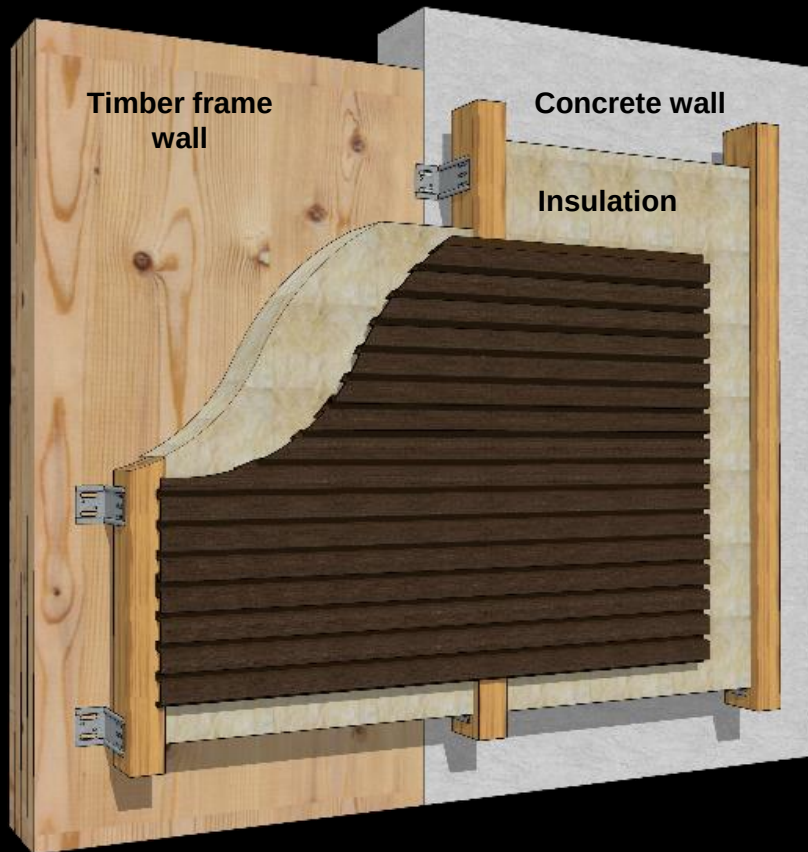
Architect: SOHO
Completion: 2015
Product: Clad 4 Earth – 1200 m²



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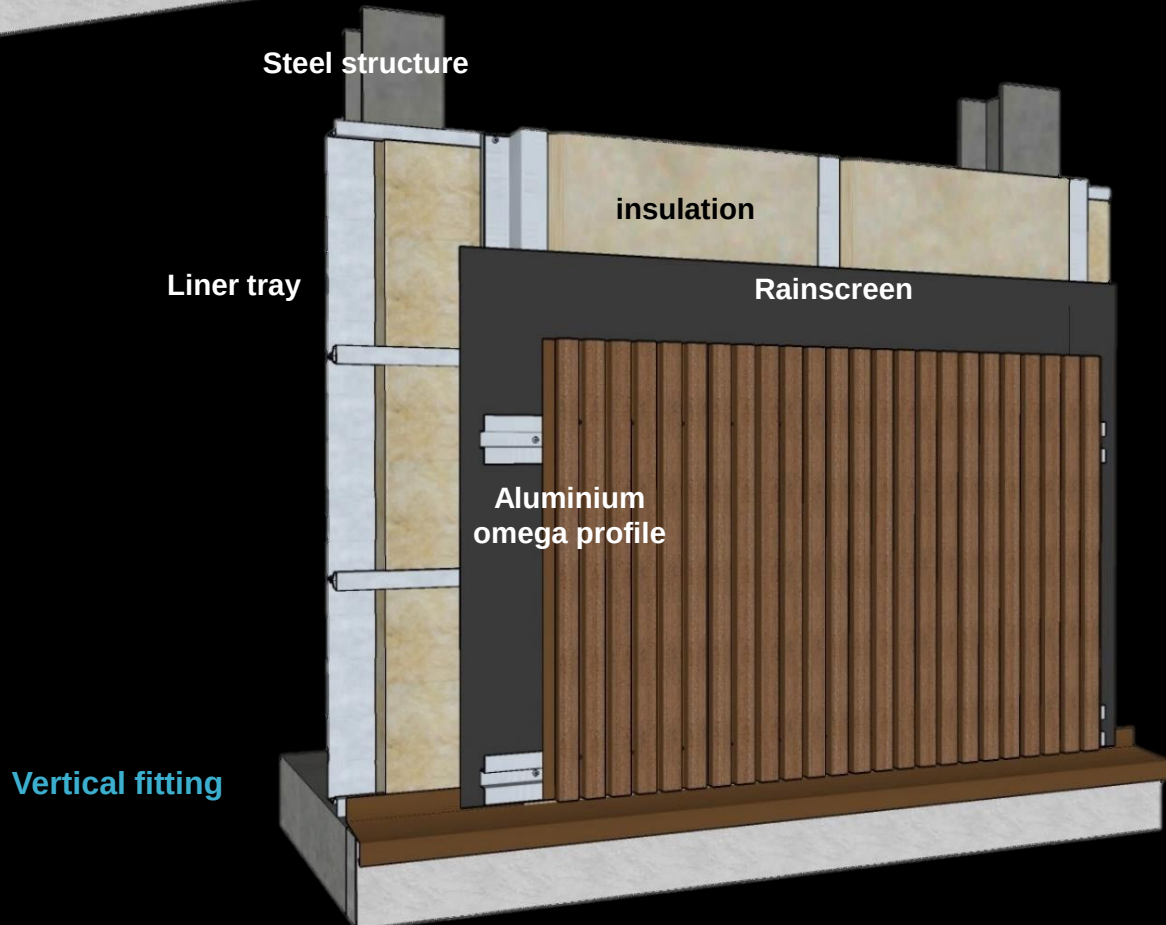
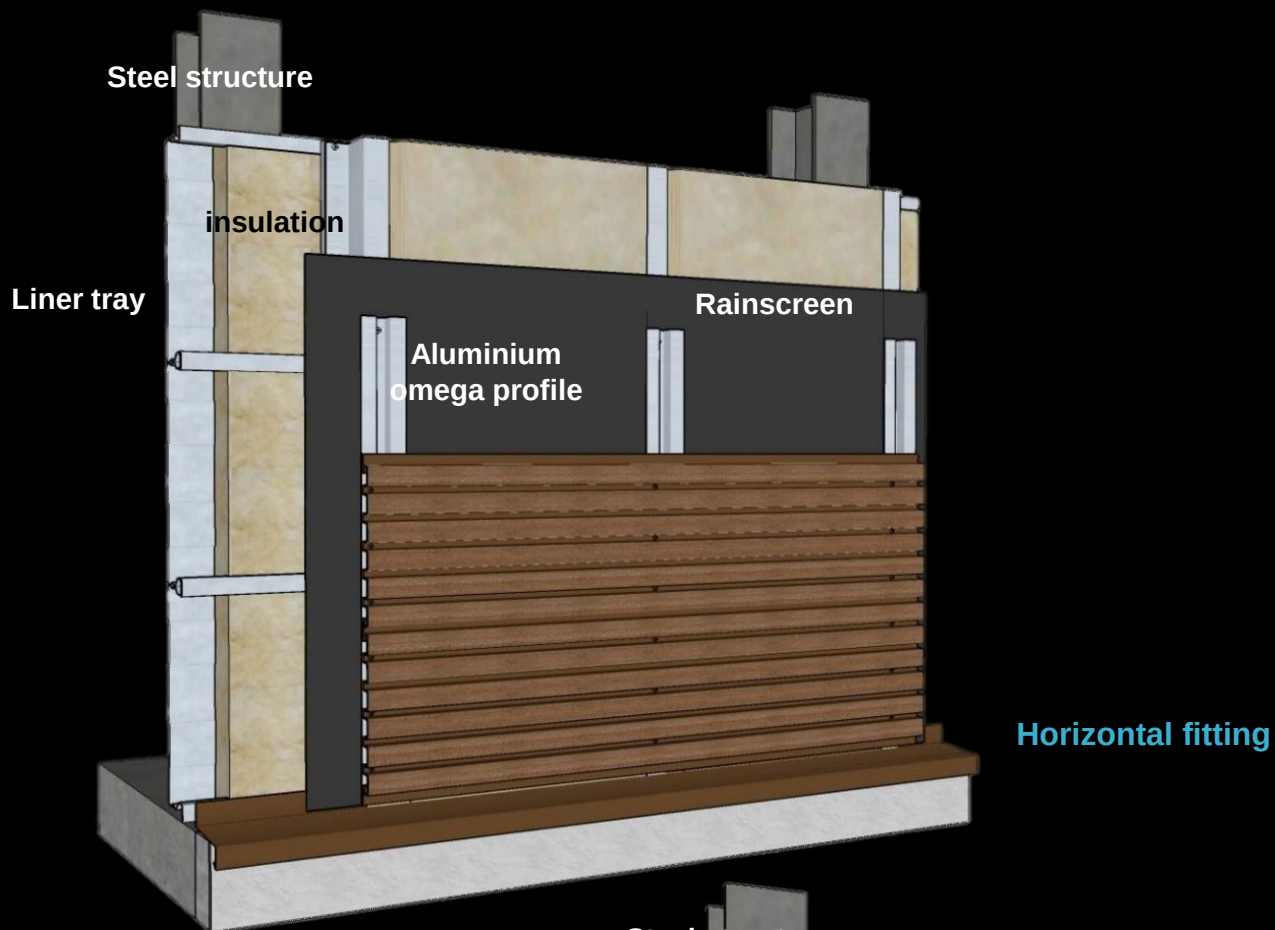
INSTALLATION ON EXTERNAL THERMAL INSULATION

TIMBER FRAME OR MASONRY (CONCRETE, BRICK...) WALL WITH WOOD OR METAL BATTENS



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INSTALLATION ON LINER TRAYS (INDUSTRIAL BUILDING ENVELOPE)



IMPORTANT NOTICES

All instructions concerning the installation of our cladding are to be followed.

Assembly errors are not covered by the NEOLIFE® guarantee.

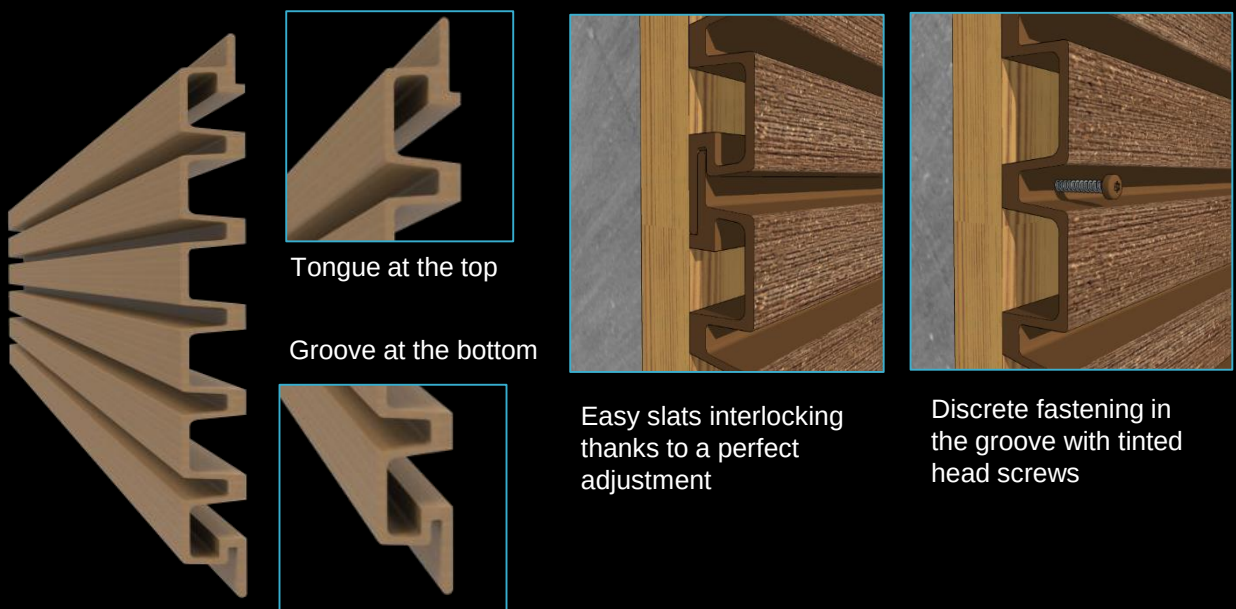
An approved fitter shall be able to assess the construction conformity to the local professional installation guidelines.

BOARD PREPARATION

- Length: 325 cm (+/- 20 mm) .
 - Width: 329 mm, visible width when installed = 300mm (± 2,55 mm)
 - Thickness: 28,5 mm (± 1,15 mm)
-
- Squaring has to be done on site
 - Boards have to be calibrated according to layout

START

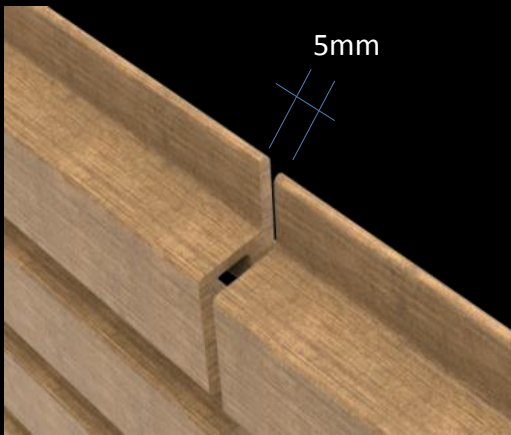
- Vertical installation: It is highly recommended to install all the boards in the same orientation in order to obtain a uniform colour. Indeed, the random brushing creates an effect on the surface that capture the lights differently according the boards orientation.
- Horizontal installation: Boards have to be installed with the groove at the bottom and the tongue at the top



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IMPORTANT NOTICES

ALWAYS KEEP A 5MM EXPANSION JOINT



- A minimum space of 5mm between the 3.25m boards and contiguous elements (joinery, wall, other cladding boards) should be left to enable the natural expansion of the NEOLIFE® cladding boards.
- Always maintain 1,2 mm expansion per linear meter (or 2mm in case of high temperature variations)

NOT FOR STRUCTURAL USE

- Under no circumstances should the cladding boards be used for load-bearing or structural purposes.
- The professional rules and recommendations governing the cladding installation must be followed.

NO SEALING PROPERTIES

- The boards are not designed to ensure the watertightness of the external facade.
- They should be used with a rain screen wherever it's required, which will provide the weatherproofing element in compliance with the local Building Regulations.

FIXING ADDITIONAL ITEMS TO THE FACADE

- The cladding is not load-bearing.
- Anything fixed to the facade must be attached to the supporting structure behind the cladding.

CAUTION

The specifications and recommendations given in the NEOLIFE® installation guide, available at www.neolife-solutions.com website are not a substitute to regulations concerning safety, environment and regulatory installation specifications.



NEOLIFE
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IMPORTANT NOTICES

PREPARATION OF THE STRUCTURE

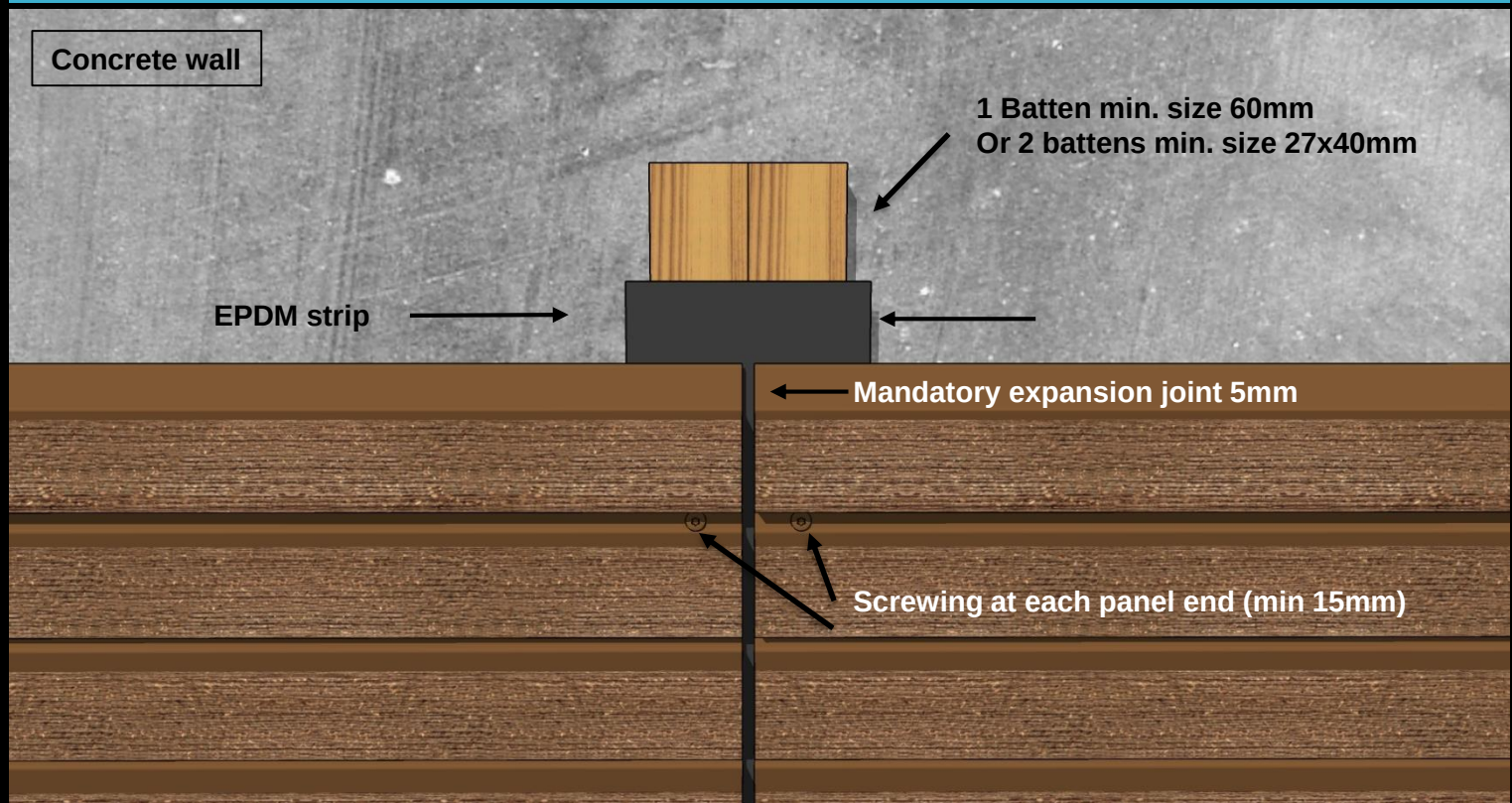
CAUTION :

Make sure to follow the cladding installation steps recommended by the local professional guidelines.

IMPORTANT ADVICE:

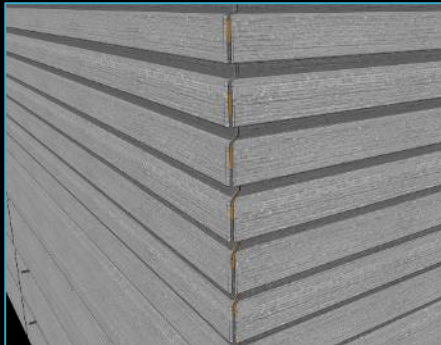
- The supporting structure (wood or metal) has to be perfectly flat to get a perfect facade
- The installation has to be planned on a ventilated wood structure with a minimum batten size of 27x40mm or on omega metal profiles 30x30x30 with a 400 ou 600 mm centre to centre distance, following the building's category and height.
- The supporting structure can be fitted on every kind of walls (wood, metal, concrete) with or without external insulation
- Always keep a minimum 2cm air gap for ventilation behind the cladding (check the recommendations of the local regulations).
- The supporting structure has to be placed perpendicular to the cladding. For vertical installation, the ventilation will be enabled through the cladding's ribs .

The panels have always to be fixed on each end at less than 3cm of the board's edge, both in horizontal and vertical installations

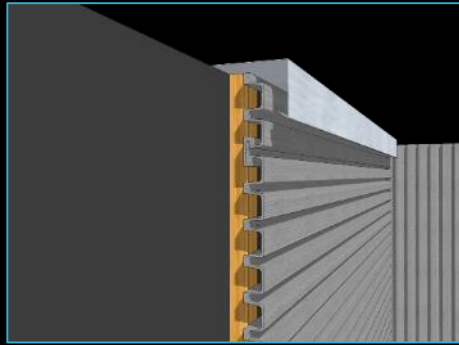


KEY INSTALLATION PRINCIPLES

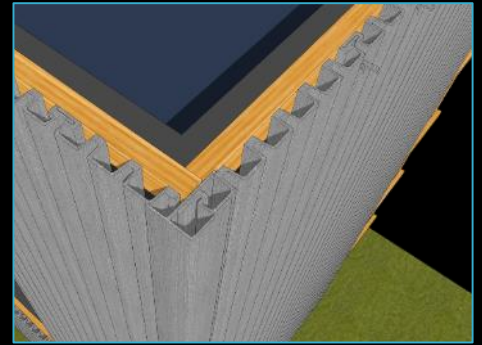
NEOLIFE® CLAD can be installed with every conventional facade and roofing accesories



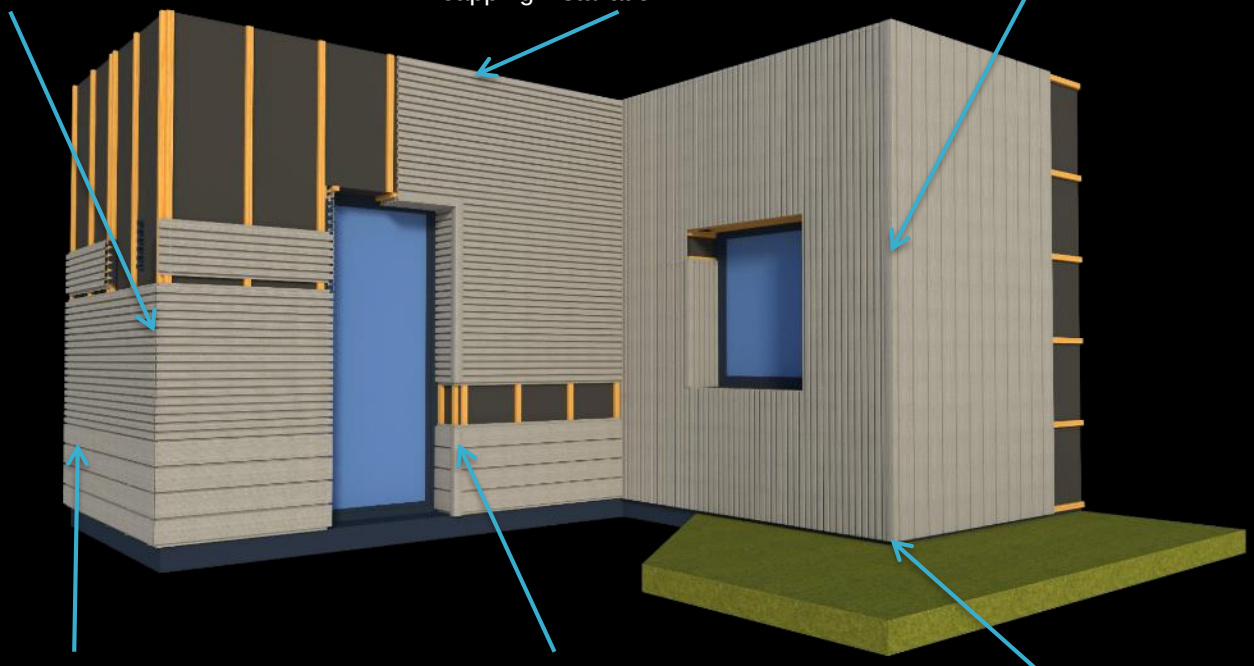
External 45° mitre-cut corner



Possible adjustment prior to parapet capping installation



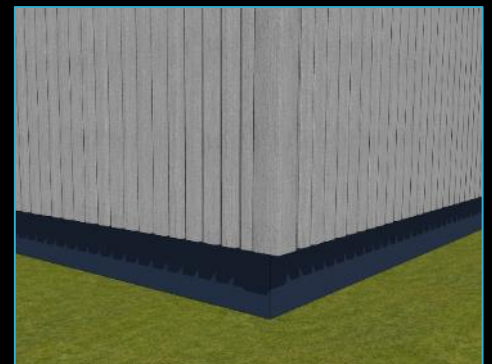
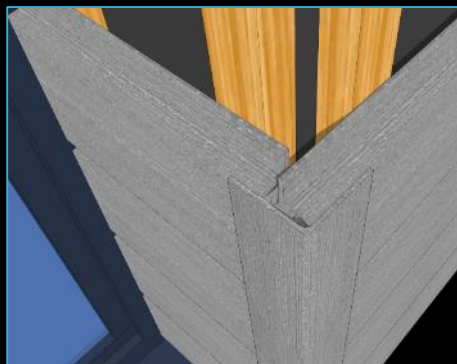
External corner profile on vertical installation



Possible combination of CLAD 4 and CLAD 14 boards

External corner profile on horizontal installation

Possibility to start only from 15 cm from the finished ground



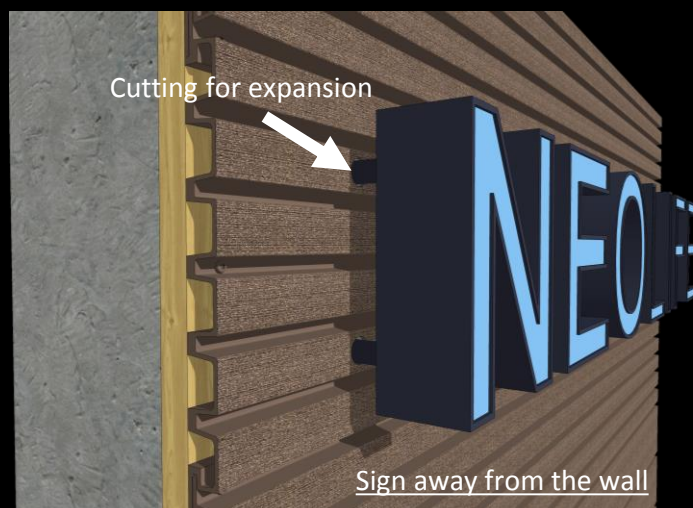
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DESIGN GUIDELINES

SIGN INSTALLATION

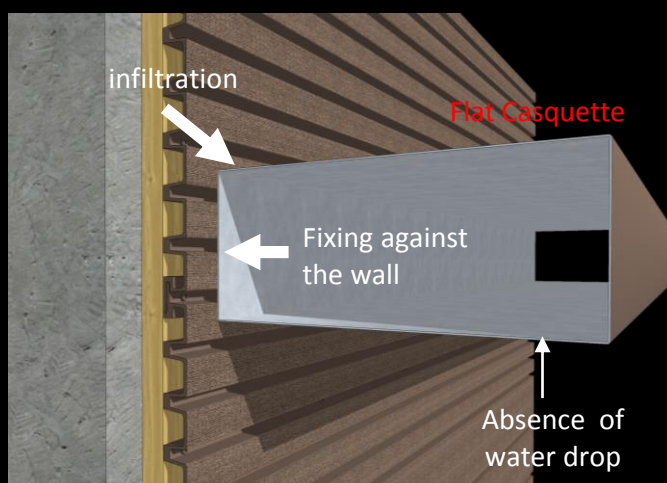


When the sign is stuck onto the cladding without any dirty water runoff management : It causes dirty dust and pollution marks onto the cladding

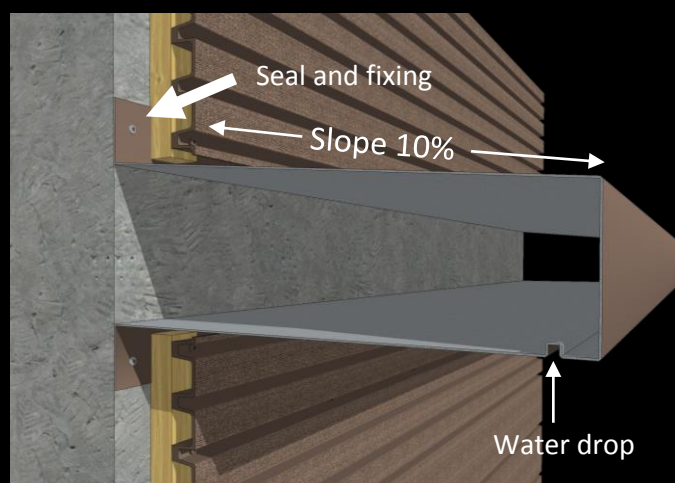


→ Advice :
Take off the sign from the cladding with fixings in the load-bearing wall

CASQUETTES MANAGEMENT



Flat metallic **casquette** without waterlightness management :
Dirty water infiltration between the **casquette** and the cladding which causes humidity stain.



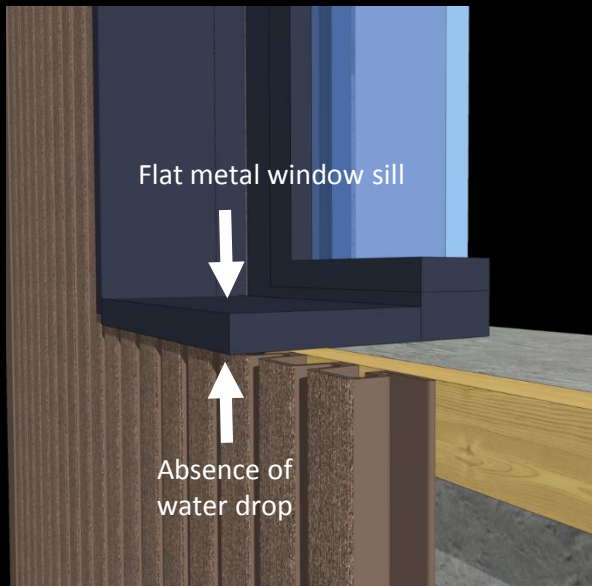
→ Advice :
Install the **casquette** before the cladding by managing the waterlightness against the rainscreen wall.
Plan a **casquette** with a 10% slope and a waterdrop in order to avoid a water flow onto the cladding.



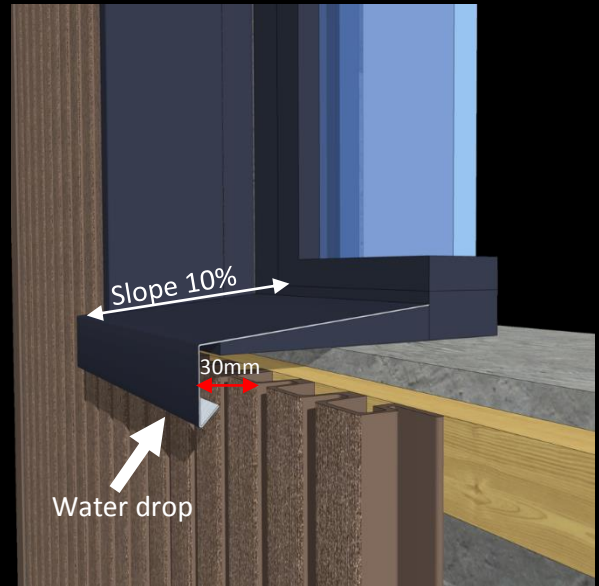
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SOLUTIONS CONSTRUCTIVES

DESIGN GUIDELINES

WINDOW SILL

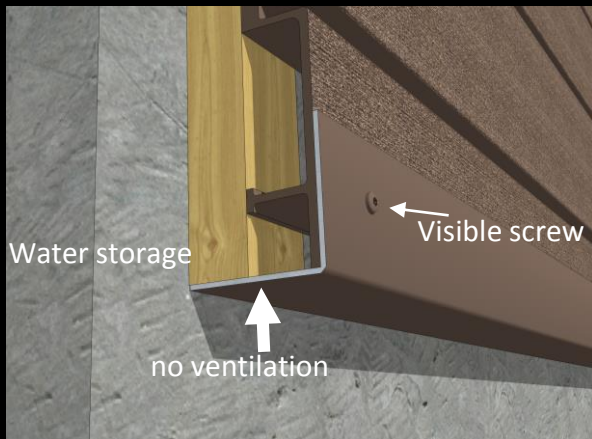


Flat window sill without water drop :
Dust and pollution collects on the window sill and causes dirty drip onto the cladding

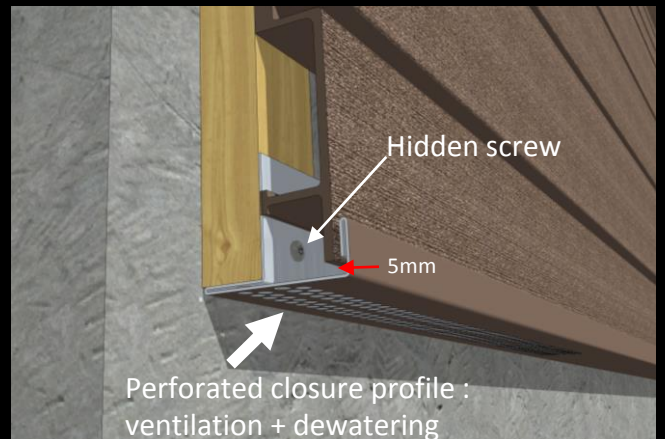


→ Advice :
Make a window sill with a 10% slope minimum and a water drop with 30 mm gap from the cladding.

BASE OF WALL MANAGEMENT



Boards are installed on a metal closure profile which stock the water into :
It causes a capillary rise of moisture without ventilation.



→ Advice :
Use a perforated metal closure profile and raise the cladding boards 5mm above the profile.

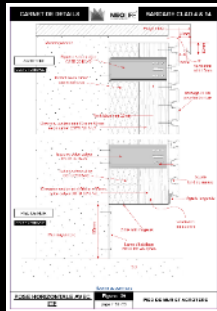
BEST PRACTICE

Find all the best practices in the NEOLIFE® installation guide
available on our website www.neolife-solutions.com



NEOLIFE®
SOLUTIONS CONSTRUCTIVES

CAUTION



**THE FULL INSTALLATION MANUAL OF CLAD CLADDING PANELS IS
AVAILABLE AT**

www.neolife-solutions.com

NEOLIFE® recommends to read the installation manual carefully and remains at the fitters disposal for any clarifications concerning the installation procedure of its products.

The specifications and recommendations given in the installation guide are not a substitute to regulations concerning safety, environment and professional regulatory dispositions.

All instructions concerning the installation of our cladding are to be followed.

Assembly errors are not covered by the NEOLIFE® guarantee.

An approved fitter shall be able to assess the construction conformity to the local professional installation guidelines.



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MAINTENANCE



ADECCO HEAD OFFICE (Villeurbanne, France)

Architect : SAGITAIRE ASSOCIES
Year : 2016
Product : Clad 14 Sand – 4000 sqm
Credit : Gilles Aymard



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BUILDING SITE CLEANING

Depending on the boards dirt after implementation (presence of mud, dust, etc...), especially in the grooves, rain stains can appear on the surface.



NEOLIFE strongly recommend to clean the boards after implementation with a pressure washer, following the boards' orientation (distance of min. 20cm from the board, DO NOT USE a rotary nozzle).

Recommendations :



Do not forget to clean the window shelves as well avoiding so any risk of dust stains on the cladding after the first rain (windows are frequently dusty during construction) .



All metal joineries (windows, parapet capping, etc...) have to have a drip-edge flashing in order to limit the water runoff on the cladding. Shop signs or any other elements installed on the cladding have to be moved forward (space left between cladding and the element) to avoid any stains.

Caution:

If any operation involving the use of asphalt or concrete occurs after facade completion, NEOLIFE recommend to protect the cladding with a plastic cover in order to avoid stains.



Indeed, if not protected, a greasy steam can spread on the surface and in the grooves. In that case, a grease-removing product will be needed to clean the boards and all the surrounding elements.



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LONG LASTING

VERY LIMITED MAINTENANCE:

The material does not require any wood preservative (oils, varnishes, saturators, ...)

- The VESTA® material is naturally equivalent to use class 4
- Highly hydrophobic and rot-proof: no algae, fungi or moss development
- Insect-resistant: does not require any treatments against termites.



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STAIN REMOVAL

STAINS

▪ **Tanin stains:**

During the first weeks after installation, tannin rings may occur because of the rain, especially on claddings with a light colour. They will be washed off and fade during the next rain, to lessen until they completely disappear. Be careful not to mistake these stains for dust or pollution stains which appear on all cladding types.

▪ **Bleach-based cleaning products:**

Slight discolouration. Clean with water and complete if needed with slight brushing in the boards orientation

▪ **Graffiti, oil, paint and ink:**

Use a specialised stain remover (ex : « STG 105 BIO » de STG)

▪ **Bitumen grease:**

Use a specialised stain remover (ex : « Scalp Aqua 03 »)

▪ **Oxidation stains after contact with a corroded metal:**

Use a specialised wood de-greaser (ex : « Scalp Neutral DA 66 »)

Caution:

- Carefully check the stain removing product to ensure that it is suitable for the purpose
- Always test the stain removing product on a small and discrete surface before cleaning the entire façade
- It is essential that you analyse over an extended time period (and after exposure to Uvs) that the solution you choose will not react with the cladding and therefore produce unsightly effects

DAMAGES

- **Scratches, cigarette marks, abrasion:** Brush away with a brass brush (lengthways).



TECHNICAL CHARACTERISTICS



POLICE STATION (Vernouillet, France)

Architect: PBO

Construction: 2014

Product : Clad 4 Ocean – 600 m²



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BUILDING SOLUTIONS

SYSTEM PERFORMANCES

DESIGNATION		TEST METHODS & STANDARDS		CLAD 4 & CLAD 14 OUTLIFE CLADDING			
WIND LOAD (Depression)			CLAD 4 (6 ribs)		CLAD 14 (2 ribs)		
Fixing description		Eurocodes EN 1991-1-4		Test results	Maximum shearing pressure	Test results	Maximum shearing pressure
Maximum 600mm centre-to-centre supports spacing with one screw at every bottom rib for CLAD 14 and one screw at every third rib for CLAD 4			7 200 Pa	2,05 kN/m ²	7 200 Pa	2,05 kN/m ²	
Maximum 400mm centre-to-centre supports spacing with a screw at every bottom ribs CLAD 14 one screw at every third rib for CLAD 4			9 500 Pa	2,71 kN/m ²	9 500 Pa	2,71 kN/m ²	
Impact resistance			CLAD 4 (6 ribs)		CLAD 14 (2 ribs)		
Fixing description		NF P 08302		Test results		Test results	
Maximum 600mm centre-to-centre supports spacing with a screw at every bottom rib for CLAD 14 and one screw at every third rib for CLAD 4			No damage with the impact energies below Soft impacts 50Kg 130J Soft impacts 3Kg 20J Hard impacts 1Kg 3J		No damage with the impact energies Soft impacts 50Kg 100J Soft impacts 3Kg 20J Hard impacts 0,5Kg 1J		
Maximum 400mm centre-to-centre supports spacing with a screw at every bottom ribs for CLAD 14 and one screw at every third rib for CLAD 4					No damage with the impact energies Soft impacts 50Kg 130J Soft impacts 3Kg 20J Hard impacts 1Kg 3J		
SEISMIC RESISTANCE			CLAD 4 & CLAD 14				
Can be installed in seismic zones and buildings according to the following details:			Highest seismic performance following Eurocode 8, no risk of falling boards or permanent deformations after static and dynamic test				
PERFORMANCE UNDER HYGROTHERMIC LOADING			CLAD 4 & CLAD 14				
Fixings description		FCBA- LBO- PHY- 003 DTU 41-2 CCT Appendix B		Test description		Test results	
Maximum 600mm centre-to-centre supports spacing with one screw at every bottom rib for CLAD 14 and one screw at every third rib for CLAD 4			Continuous spraying during 2 weeks Continuous exposure at 80° during 4 weeks		Cladding stability with model test fully maintained (No boards unlocking and perfect fixing stability), with: Horizontal deviations <0,33% Boards handover <0,85% Width dimensional variations <1,50% Length dimensional variations <0,20%		



PHYSICAL AND MECHANICAL FEATURES

DESIGNATION	TEST METHODS & STANDARDS	CLAD 4 & CLAD 14 OUTLIFE CLADDING	
APPEARANCE DURABILITY (ageing under QUV)		CLAD 4 & CLAD 14	
Test description	NF EN 927-6 (2006) FCBA- LBO6-PHY-001	Test results	
Artificial ageing test under QUV allowing an assessment of durability and decorative properties modification. Total duration 10 weeks comprising condensation, UV radiation and water spray phases.		Stable products according to the EN 927-2 No blistering defects are observed according to ISO 4628-2 standard. Result: 0 No cracking defects are observed according to ISO 4628-4 standard. Result: 0 No flaking defects are observed according to ISO 4628-5 standard. Result: 0	
FIRE REACTION		CLAD 4 & CLAD 14	
Tests description	ISO 11925- 2 tests EN 13501- 1 Rating	Test results	Rating
Test over low flame using a single source during 15s and visual observation during 20s with 150mm maximum flame height.		Filtre paper combustion: no Flame length over 150mm: no Combustion of test specimen: yes	Fire performance: E according to EN 13501-1:2007
THERMAL EXPANSION		CLAD 4 & CLAD 14	
Tests description	ISO 11359-2 adapted FCBA - LBO6PHY-001	Test results	
Thermodilatometric test in climatic room going from -20° to +60° to determine the profil's thermal expansion coefficient in solid state.		Average thermal expansion coefficient: Longitudinally: $\delta L = 23,5 \text{ }^{\circ}\text{K}^{-1} 10^{-6}$ standard spacing $2,80 \text{ }^{\circ}\text{K}^{-1} 10^{-6}$ for uninstalled boards Transversally: $\delta B = 86,7 \text{ }^{\circ}\text{K}^{-1} 10^{-6}$ standard spacing $50,17 \text{ }^{\circ}\text{K}^{-1} 10^{-6}$ for uninstalled	
WATER UPTAKE DETERMINATION		CLAD 4 & CLAD 14	
Tests description	FCBA- LBO-MECA-014	Test results	
Water uptake determination after immersion in cold water during 28 days. Measure of the mass in its initial state and after 1/2/4/7/14 et 28 days.		Boards suitable to use in class 4 (Wood use class NF EN 335-2) Boards naturally resistant against fungus and soft rot Average water uptake after 28 days: 8,03% Water content at 28 days and imputed to the cellulosic matter: 14,3%	
ELASTICITY CONSTRAINS AND MODULE IN FLEXION		CLAD 4 & CLAD 14	
Test description	FCBA- LBO-MECA-008 NF EN 310 modified for WPC profiles	Test results	
3 point flexion under normal conditions 20°C and 65% RH		Eaverage = 1 111 N/mm2 E0.05 = 1 048 N/mm2 fm = 6.6 N/mm2 fm,k = 6.3 N/mm2	
3 point flexion under limited temperature conditions -20°C		Em = 1275 N/mm2 – $\Delta = +15\%$ fm = 7.3 N/mm2 – $\Delta = +11\%$	
3 point flexion under limited temperature conditions +60°C		Em = 688 N/mm2 – $\Delta = - 38\%$ fm = 5.4 N/mm2 – $\Delta = - 18\%$	
3 point flexion after water uptake at 28 days and cyclical test including: Immersion in cold water during 3 days Exposition to frost in a cold room between -12°C et -25°C during 1 day Exposition to heat in a hot room at 70°C during 70h Cooling at 20°C during 4h		Em = 858 N/mm2 – $\Delta = - 22.7 \%$ fm = 6.1 N/mm2 – $\Delta = - 7.5 \%$	



ENVIRONMENTAL QUALITIES



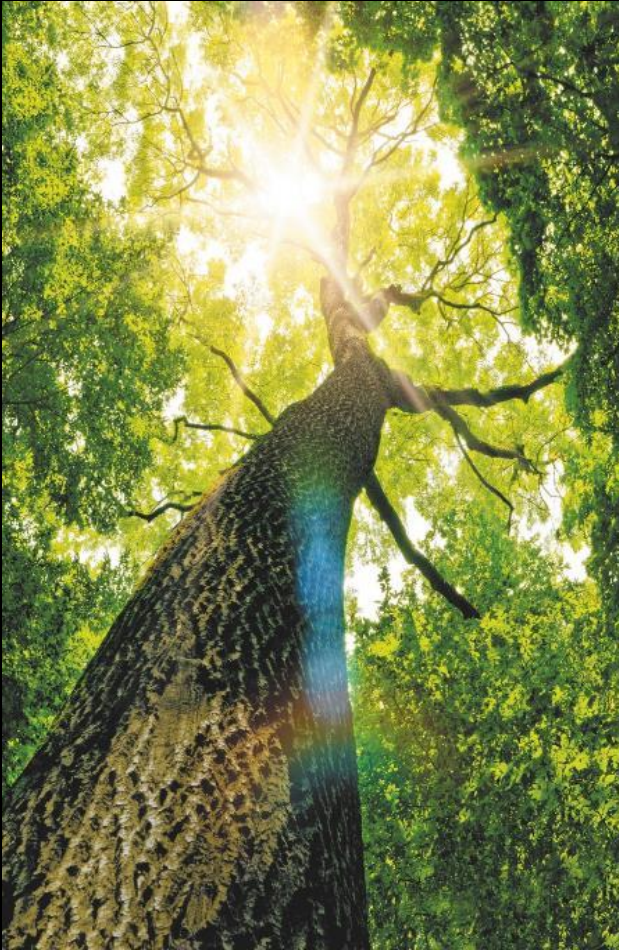
MAORI PROJECT (Mobil'home)

Designer: RIDEAU
Construction: 2014
Product: Clad 4 Night – 24 m²



NEOLIFE[®]
BUILDING SOLUTIONS

VESTA® ECO-MATERIAL



VESTA® (Vegetal, Ecological Stable Timber Advantage) is an innovative and eco-friendly compound with exceptional properties. It was developed by NEOCO®, NEOLIFE®'s Research Centre specialising in green technologies, in partnership with European experts.

EXCEPTIONAL WOOD FIBER CONTENT

VESTA® revolutionises eco-materials and the design of environmental solutions for construction projects and the landscaping of outside spaces. It finally brings a response to the architects, landscapers and design offices' demands, working on eco-construction and sustainable development projects.

ECO-FRIENDLY

The wood fibres contained in VESTA® come exclusively from sawmills offcuts, the wood coming from sustainably managed European forests. The production of our material

does not require the cutting of any trees and does not use treated wood from recycled pallets. Moreover, NEOLIFE does not use any toxic additives in the production process of the material.

VESTA® is 100% recyclable, with a perfect traceability: it only contains virgin substances (no recycled components for which establishing a traceability is impossible).

CLEAN

Does not contain solvents, adhesives or phthalates, and does not generate toxic emissions.



STABLE AND RESISTANT

VESTA® fibres benefit from a thermal treatment which provides hydrophobic properties to the material. The formula, reinforced with mineral resin, lignin and antioxidants enables a remarkable mechanical resistance as well as an outstanding design.

The mineral pigments also offer a strong resistance to UV rays making the colours more durable whatever the exposure.



NEOLIFE
BUILDING SOLUTIONS

VESTA® RECONSTITUTED WOOD

VESTA X-RESIST

ORIGIN	
Raw materials	VESTA® X-RESIST Wood fibres coming from sustainably managed european forests.
Board Production	Made in France
COMPOSITION	
by Volume	82% wood fibres, antioxidants, mineral oil, salt, mineral pigments
PHYSICAL PROPERTIES	
Mass / sqm	6 ribs profile / 4cm boards : 12 kg - 2 ribs profile / 14cm boards : 9 kg
Density	1500 kg/m ³
Parasite resistance	▪ Equivalent to use class 4 ▪ No development of fungal rot*, mosses, or mould ▪ Insect-resistant, including termites
Surface appearance	Marqued brushing, splinter free, blisters or flakes off. Maintenance-free
Scratch resistance	Equivalent to natural wood – Possible brushing without discolouration
Thermal inertia	Low thermal inertia due to the high wood fibres content
ENVIRONMENTAL PROPERTIES	
Recycling features	100% recyclable, 82% rewewable (82% biomass)
Toxic substances	Contains no toxic or dangerous products (according to Reach regulation CE/1907/2006)
Solvents	None
Phthalates, adhesives	None
Heavy metals	None, lead and mercury-free stabilisation
Formaldehydes et VOCs	Lower or equivalent than natural wood



FURTHER DETAILS



CARREFOUR SUPERMARKET (Saumur, France)

Construction: 2015

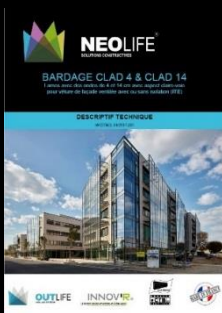
Product : Clad 4 Night – 400 m²



NEOLIFE[®]
BUILDING SOLUTIONS

TECHNICAL DESCRIPTION

- Reconstituted wood cladding containing at least 80% wood fibres
- Boards with a slatted aspect featuring 4 cm ribs or 14 cm ribs
- Fire rating : E following EN 13501-1:2007
- Installation on wood or metall battens, fixed with self-drilling screws
- Fast, adjustable installation guaranteed by slot-in board assembly technique
- Exterior angles managed using 45° mitre cut or aluminium corner profile
- Dimensional stability of maximum 2mm / m over $\Delta 80^{\circ}\text{C}$
- Rot proof, not sensitive to moss and mould
- Insect-resistant, termites included
- Stable colors after natural patina is acquired



Contact us to get the full technical specification sheet



French accreditaion type « Avis Technique Expérimental de Type A » issued by CSTB (France)

N°2176 – July 5th, 2015

Available at <http://evaluation.cstb.fr/rechercher/produits-evalues/?prestations=atex>

CONTACT

CAUTION

This technical sheet is associated with the technical installation guide of CLAD cladding board available at www.neolife-solutions.com

NEOLIFE® recommends to read the installation manual carefully and remains at the fitters disposal for any clarifications concerning the installation procedure of its products.

The specifications and recommendations given in the installation guide are not a substitute to regulations concerning safety, environment and professional regulatory dispositions.

All instructions concerning the installation of our cladding are to be followed.

Assembly errors are not covered by the NEOLIFE® guarantee.

An approved fitter shall be able to assess the construction conformity to the local professional installation guidelines.



NEOLIFE®
BUILDING SOLUTIONS

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