



HEMP ECO-FRIENDLY MATERIALS FOR BUILDING

Blocks, panels, premixed mortar, plaster, stucco and screed

*Nature,
Environnement,
Home...
Chose your life !*





Prati di Tivo WOODS (TE -ITALY)
Gran Sasso and Monti della Laga National Park
(Abruzzo Region)

HEMP FEATURES



THERMAL INSULATION

ACOUSTIC INSULATION

ECO-FRIENDLY

THERMAL INERTIA

BREATHABLE

LIGHT

SAFE AND LONG-LASTING

100% NATURAL

HEALTHY

RECYCLABLE AT THE END OF LIFE

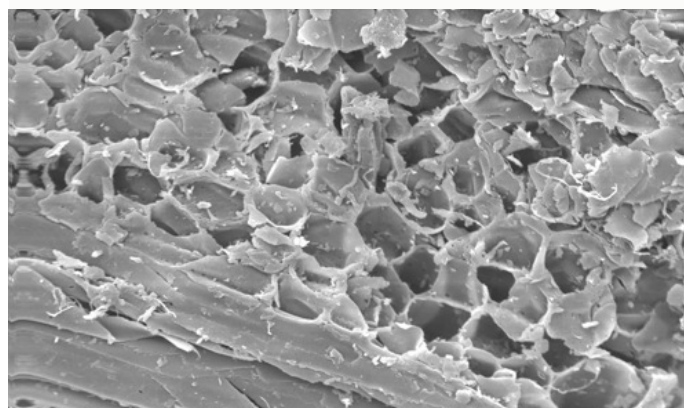
ECO-FRIENDLY AND BIOCOMPATIBLE PRODUCTS

MISSION AZIENDALE

EDILCANAPA brand was born in 2014 to expand its own horizons and develop natural materials able to protect the environment and improve the quality of human life. From the past, from nature, from the a millenary plant cultivation with multiple uses, idea comes: the SATIVA HEMP.

Its special features make it perfect for application in GREEN BUILDING field.

Using hemp wood and fiber Edilcanapa developed a wide range of eco-friendly products to be used for well-being housing building.



400X enlarged image - hemp wood internal structure
(ISMAC - Dr. A. Patrucco)



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ALMOST ALL EDILCANAPA PRODUCTS ARE NATURAL AND SUITABLE FOR GREEN BUILDING. ALL USED ADDITIVES HAVE VEGETABLE OR NATURAL ORIGIN AND THEY ARE MADE WITH A VERY LOW USE OF ENERGY AND WATER, THEY ARE BIODEGRADABLE AND REUSABLE AT THE END OF THEIR LIFE.

HOUSING WELL-BEING



What does living comfort mean?

Living comfort is the psychophysical perception of well-being that you can feel inside a room.

The feeling of well-being is a state of thermal neutrality: the exchange of heat and humidity between the body and the environment is perfectly balanced (you feel neither warm nor cold).

To achieve living well-being it will be necessary to design the housing envelope using natural materials that do not release substances harmful to health, which allow to obtain excellent thermal insulation (thermal comfort) and that they are also breathable (hygrometric comfort).

Hemp materials have just these technical features:

EDILCANAPA PRODUCTS

- they do not release any harmful substances
- they are antiseptic and breathable
- they prevent the formation of condensation, mold fungi and bacteria
- they help to make the air healthier
- they improve the acoustic comfort
- ideal use for seismic areas and for restoring



SUSTAINABLE FEATURES OF HEMP

SATIVA HEMP:

- can grow up without the use of pesticides
- has a very low water consumption
- is a resistant plant that adapts to several microclimates
- is fast in growth (3-4 months)
- has a high yield in terms of plant mass (it grows till 5-6 m height)
- cleans and re-mineralizes the soil, preparing it to other crops



TECHNICAL BOOK



BLOCKS

CANAPLOCK

Hemp and lime eco-friendly block

CANAPLOCK is an eco-friendly ecological, sustainable and biocompatible block, made of natural raw materials and additives such as NHL 5 hydraulic lime and sheaves (wood of SAVITA hemp plant). It is an insulation material which combines insulation properties and thermal mass (conductivity and thermal inertia).

During its production process it has low embodied energy, respecting the principles of social and environmental sustainability

USE

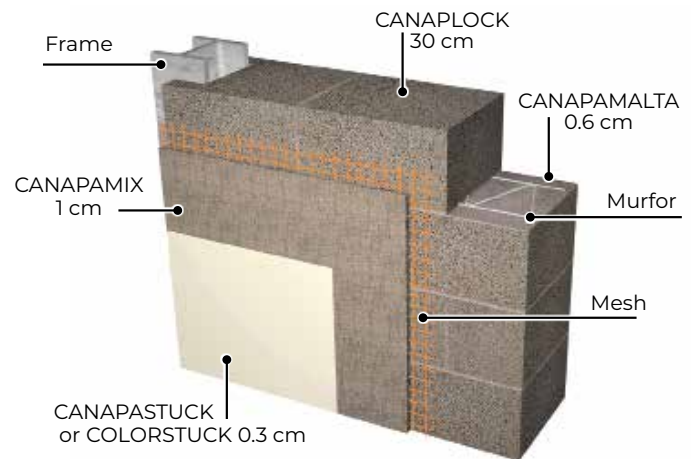
CANAPLOCK is for external and internal use and for all constructions insulating masonry in combination with reinforced concrete, steel or wood supporting frame. It is also used for internal partitions.

It is ideal for dehumidification and insulation retraining - internal and external of existing building.



Detail of CANAPLOCK with wooden frame.

INSTALLATION EXAMPLE



CORNER FRAME DETAIL









WARNINGS

Do not use below + 5 °C and above + 30 °C. Do not use on frozen or thawing substrates, or at risk of freezing during the next 24 hours. In summer, protect from rapid drying by keeping the substrate moist.

HEMP AND LIME BLOCKS

 *W/m²K cm 2 CANAPAMIX2 cm 1 CANAPAMIX3

CANAPLOCK	Item	Size	Transmittance	Trasmittance plaster included*	Thermal displacement
	EC13/10	10x20x40	U = 0,692	U=0,669	
	EC11/20	20x30x40	U = 0,368	U = 0,334	
	EC12/25	25x30x49	U = 0,298	U = 0,275	
	EC12/30	30x25x49	U = 0,25	U = 0,234	19 h
	EC11/40	40x20x30	U = 0,190	U = 0,18	> 24 h
	EC12/49	49x25x30	U = 0,156	U = 0,149	PASSIVE HOUSE



QR Code for technical data sheet

 CANAPLOCK masonry
with steel frame and
wooden roof


Features	Value/description	Unit measure
Appearance	Hazelnut color	-
Granulometry	4-6	mm
Application temperature	+5/+30	°C
Compressive strength	0,56	N/mm ²
Reaction to fire	Non-flammable fuel - Euroclass B s1 d0	-
Thermal conductivity	0,0784 (Category T1 - UNI EN 1745)	W/mK
Density	424	Kg/m ³

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2. Download updated technical data sheets and technical manuals on the website www.edilcanapasrl.it or contact EDILCANAPA - info@edilcanapasrl.it / + 39 085 8421847

MORTAR

CANAPAMALTA Bedding

CANAPACOLL Adhesive

Edilcanapa premixed mortars have natural origin raw materials: dedusted hemp wood, natural hydraulic lime and specific additives that suitably dosed and mixed with clean water give rise to an easy mortars application.

USE

ICANAPAMALTA is used as a binder in wall and partitioning construction made with CANAPLOCK, the eco-friendly hemp and hydraulic lime brick or with traditional ones. Excellent for closing traces, remaking interstices.

CANAPACOLL is used as an adhesive for insulating panels and tiles.




Bedding mortar with mesh for CANAPLOCK (field starting)



WARNINGS

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BEDDING AND ADHESIVE MORTARS

MORTARS	Item	Description	Package	Yield
	EC30	CANAPAMALTA Bedding mortar	25 Kg	700 Kg/m ³
	EC31	CANAPACOLL Adhesive mortar	25 Kg	1160 Kg/m ³
	EC90C	NHL5 HYDRAULIC LIME	25 Kg	1500 Kg/m ³



CANAPAMALTA on CANAPLOCK



CANAPACOLL on CANAPANNELE

Features	Values/description	Unity measure
Appearance	Hazelnut color	-V
Granulometry	0-1	mm
Mixing water	0,60-0,70	l/kg
Workability at 25 °C	45	minutes
Application temperature	+5/+30	°C
Compressive strenght	EC30 2,16 (UNI EN 1015 - 11) EC31 4,39 (UNI EN 12390 - 3)	N/mm ²
Reaction to fire	Non-flammable fuel - Euroclass B s1 d0 (UNI EN 13501-1)	-
Water absorbtion by capillarity	EC30 1,06 (W0 category- UNI EN 1015-18)	Kg/m ² min ^{0,5}
Resistance to water vapor diffusion (μ)	EC30 ≤ 15 (9,9) - (UNI EN 1015 - 19)	-
Adhesion	EC30 ≥ 0,31 EC31 ≥ 0,36 (Type B rupture - UNI EN 1015-12)	N/mm ²
Density	EC30 700 EC31 1160	Kg/m ³
Waste code	170904	

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CANAPANNEL

Hemp fiber Insulating panel

CANAPANNEL is a compressed hemp fiber panel, with a high breathable and thermal insulation, dehumidifying and sound absorption performance.

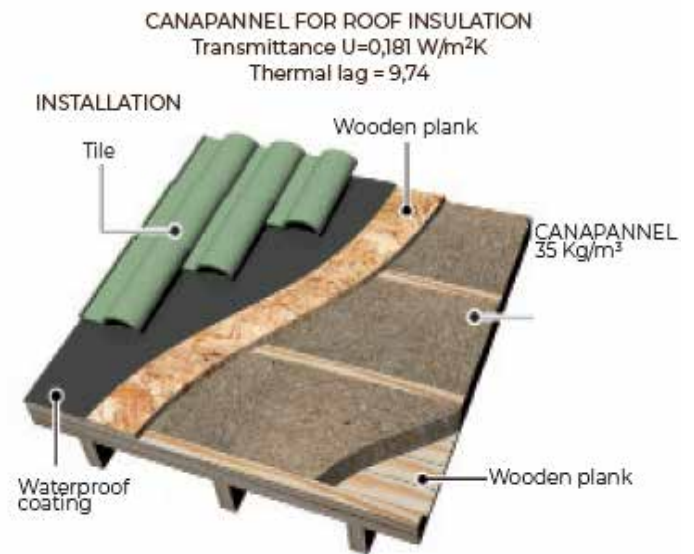
CANAPANNEL has got a high thermal lag performance, much better than the most used synthetic insulator materials.

USE

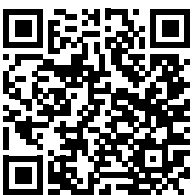
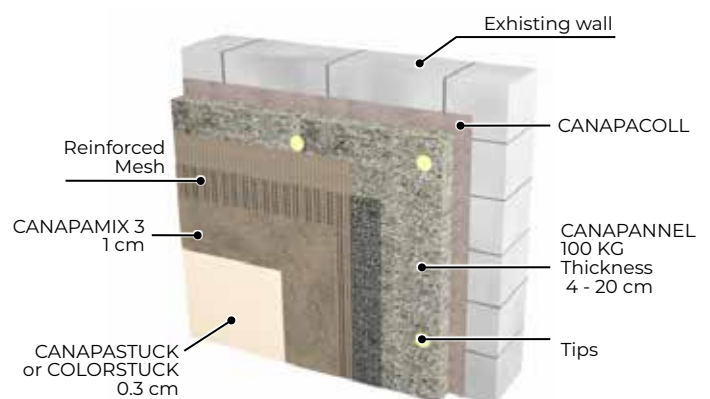
CANAPANNEL density 35 kg / m³ is used as insulation sheet for roofs and cavities.

CANAPANNEL density 100 kg / m³ is used for coating insulating systems or for walls construction and reconstruction with cavities.

It is also used for frame and floor insulation.



COATING INSULATION SYSTEM WITH CANAPANNEL



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WARNINGS

Do not use below + 5 °C and above + 30 °C. Do not use on frozen or thawing substrates, or at risk of freezing during the next 24 hours. In summer, protect from rapid drying by keeping the substrate moist.

ROOF AND INTERSPACE PANELS

CANAPANNEL 35	Item	Thickness	Density
	EC501	4	35 Kg/m ³
	EC502	5	35 Kg/m ³
	EC503	6	35 Kg/m ³
	EC504	8	35 Kg/m ³
	EC506	10	35 Kg/m ³
	EC507	12	35 Kg/m ³
	EC508	14	35 Kg/m ³
	EC509	16	35 Kg/m ³
	EC50	18	35 Kg/m ³
	EC511	20	35 Kg/m ³



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* other thickness upon request

COATING AND FLOOR PANELS

CANAPANNEL 100	Item	Thickness	Density
	EC702	4	100 Kg/m ³
	EC703	6	100 Kg/m ³
	EC704	8	100 Kg/m ³
	EC706	10	100 Kg/m ³
	EC707	12	100 Kg/m ³
	EC708	14	100 Kg/m ³
	EC709	16	100 Kg/m ³
	EC710	18	100 Kg/m ³
	EC711	20	100 Kg/m ³
	EC712	2	130 Kg/m ³
	EC713	3	130 Kg/m ³
	EC714	4	130 Kg/m ³



QR code for technical data sheet

Appearance	Hazelnut color	-
Size	600x1100	mm
Panel thickness	40/60/80	mm
Sticked panel thickness	100/120/140/160/180/200	mm
Binder	BICO	-
Edge	obtuse	-
Pallet wheight	320	Kg
Resistance to water vapor diffusion (μ)	≤ 2 (UNI EN ISO 12086)	-
Conducibilità termica	0,039 (UNI EN ISO 10456)	W/mK
Specific heat	1700	J/KgK
Density	35 / 100	Kg/m ³

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SALUBERPAN

Hemp wood panel

SALUBERPAN[®] is a self-supporting, rigid, thermal insulation sheet.

Perfect for the construction of walls with cavities, counter-walls, reconstruction of walls with insulating cavities. It can be used as insulation in frames, for ceilings and floors, or as an alternative to all applications where plasterboard is foreseen.

SALUBERPAN[®] offers several advantages over traditional solutions, having high technical performance with low thickness and weight.

USE

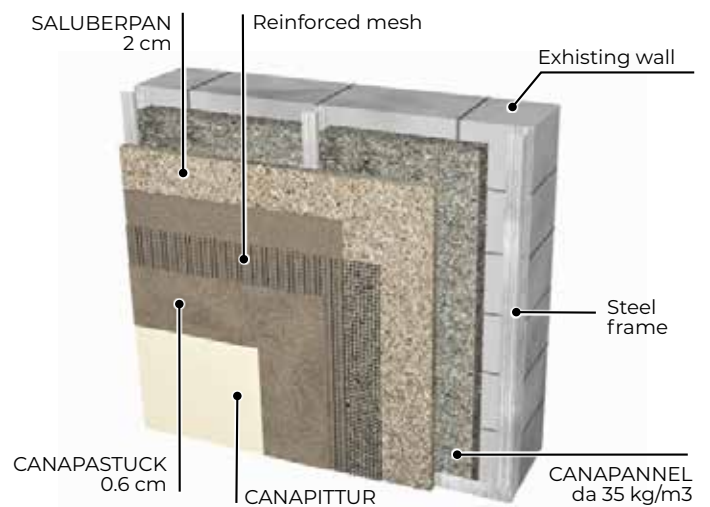
SALUBERPAN[®] is used for dry walls construction and partitions, counter-walls with insulating cavities, as an insulator in frames, ceilings and floors.



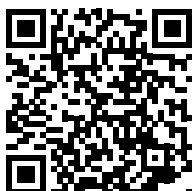
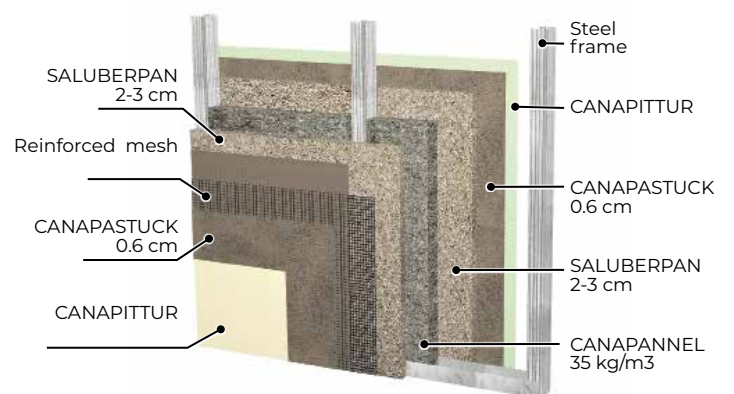
SALUBERPAN[®]

PATENT NO.
102018000007653

INSIDE INSULATING SYSTEM
USING SALUBERPAN AND CANAPANNEL




DRY WALL FOR PARTITIONS

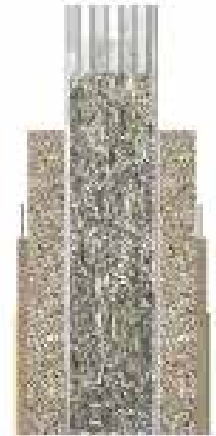


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technical
data sheet

HEMP SHEVES PANEL

 DRY WALL SECTION
PARTITION

SALUBERPAN	Item	Description	Thickness
	EC200	Saluberpan < 0,1 form.	2 cm
	EC230	Saluberpan < 0,1 form.	3 cm
	EC250	Saluberpan < 0,1 form.	5 cm
	EC300	Saluberpan 0 form.	2 cm
	EC330	Saluberpan 0 form.	3 cm
	EC350	Saluberpan 0 form.	5 cm



Saluberpan dry wall

Features	Values/description	Unity measure
Appearance	Hazelnut color	-
Size	1000x1200	mm
Panel thickness	20 - 30 - 50	mm
Tolerance	+/- 8	mm
Binder	Free formaldeide or formaldeide $\leq 0,1$ binder	-
Density	275	Kg/m ³
Thermal conductivity	0,0629 (UNI EN ISO 10456)	W/mK
Resistenza diffusione vapore acqueo (μ)	≤ 15 12,6 (UNI EN 1015 - 19)	
Classe di reazione al fuoco	F	

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CANAPAMAS

Screed

CANAPAMAS is a natural premixed conglomerate for screeds made up of high quality raw materials and additives such as NHL 5hydraulic lime and hemp wood.

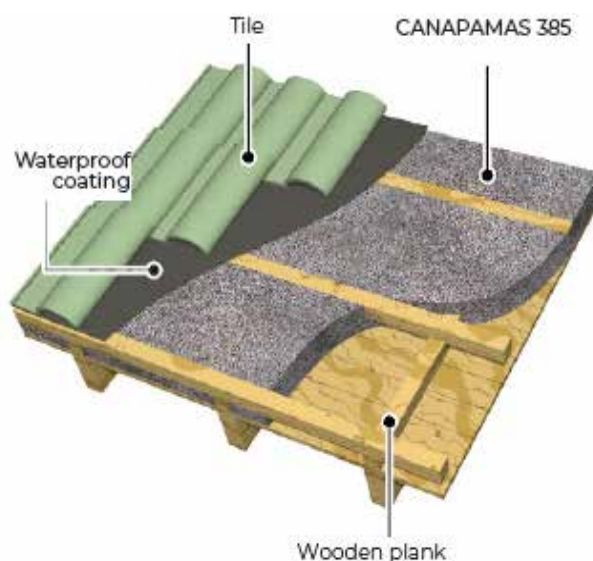
It's an insulation material combining insulation properties and thermal inertia, soundproofing and dehumidification, low embodied energy respecting the principles of social and environmental sustainability.

USE

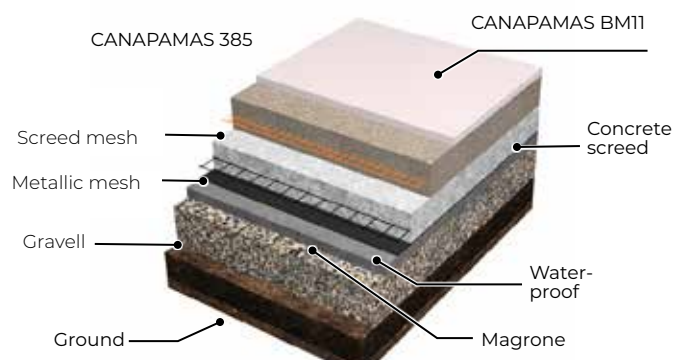
CANAPAMAS is ideal for all conditions constructions, new buildings, renovations and restorations. It is used for thermal insulation of roofs, attics, all types of screeds, on floors or ground floor.

It can be used for any surface, applied in thicknesses from 6 to 30 cm. It is light, flexible, breathable and compatible with current technologies. It is recommended, as a finishing screed, the application of CANAPAMS BM11 or CS

ROOF INSULATING EXAMPLE
TRANSMITTANCE $U=0,219 \text{ W/m}^2\text{K}$
THERMAL LAG = 16,59 H




SCREED INSTALLATION EXAMPLE



WARNINGS

Do not use below + 5 °C and above + 30 °C. Do not use on frozen or thawing substrates, or at risk of freezing during the next 24 hours. In summer, protect from rapid drying by keeping the substrate moist.

SCREEDS

CANAPAMAS	Item	Description	Package	Yield
	EC06	CANAPAMAS 385 Insulating Screed	15 Kg	385 Kg/m ³
	EC07	CANAPAMAS BM11 Lime based screed	25 Kg	1900 Kg/m ³



CANAPAMAS 385 Roof insulation



CANAPAMAS 385 insulation screed

Features	Values/description	Unity measure
Appearance	Hazelnut color	-
Granulometry	4-6	mm
Mixing water	0,6-0,7	l/kg
Workability at 25 °C	45	minutes
Application Temperature	+5/+30	°C
Theoretical yield	3,85	Kg/m ² x cm thickness
Reaction to fire	EC06 B-s1, d0 (UNI EN 13501-1 : 2019)	-
Thermal conductivity	EC06 0,0788 (UNI EN ISO 10456)	W/mK
Density	EC06 385 EC07 1900	Kg/m ³
Waste code	170904	

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CANAPAMIX

Thermal plaster

CANAPAMIX is the name of a range of natural premixed plasters, highly breathable and ad dehumidifying, made of hemp wood, natural lime and additives that properly mixed with clean water give rise to an easy mortar application both manually or by machine.

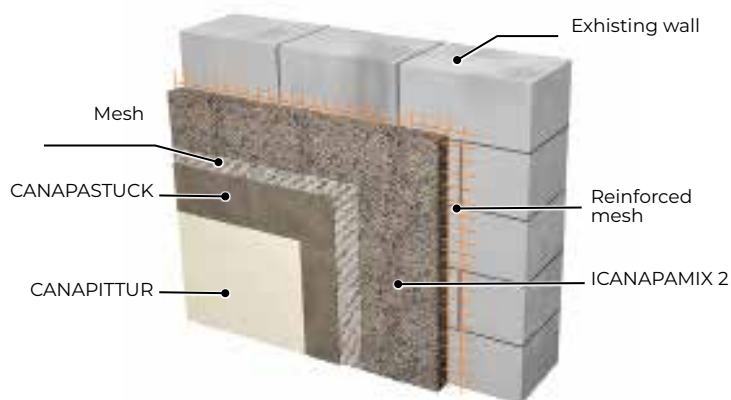
During its production process it has low embodied energy, respecting the principles of social and environmental sustainability. Available in different grain sizes and densities.

USE

CANAPAMIX2 is a premixed, dehumidifying and insulating plaster to be used for all building conditions. It reduces the creation of cavities, does not weigh down the structure. It is perfect for new construction and it guarantees high performances in renovations and requalifications. Adapt to any support (brick, wood, concrete, etc.) for thicknesses up to 10 cm (to be laid in different steps, 1,5 cm at a time) both internal and external use.

CANAPAMIX3 is a finishing plaster.

CANAPAMIX 2 EXAMPLE INSTALLATION




CANAPAMIX 2 insulating plaster

WARNINGS

Do not use below + 5 °C and above + 30 °C. Do not use on frozen or thawing substrates, or at risk of freezing during the next 24 hours. In summer, protect from rapid drying by keeping the substrate moist.

THERMAL PLASTERS

CANAPAMIX	Item	Description	Package	Yield
	EC02	CANAPAMIX 2 Dehumidifying plaster	25 Kg	495 Kg/m ³
	EC021	CANAPAMIX 3 Finishing Plaster	25 Kg	1125 Kg/m ³
	EC024	CANAPAMIX BMK Class A1 Plaster	25 Kg	1500 Kg/m ³



CANAPAMIX 2 internal use



CANAPAMIX 2 external use

Features	Values/description	Unity measure
Appearance	Hazelnut color	-
Granulometry	EC02 0-6 EC021 0-1	mm
Mixing water	0,80-0,9	l/kg
Workability at 25 °C	45	minutes
Application temperature	+5/+30	°C
Compressive strenght	EC02 0,75 EC 021 2,48 - (Categoria CS I - UNI EN 1015-11)	N/mm ²
Reaction to fire	B-s1, d0 (UNI EN 13501-1 : 2019)	-
Water absorbtion by capillarity	W0	-
Resistance to water vapor diffusion (μ)	EC02 ≤ 15 (11,3) EC021 ≤ 30 (28) - (UNI EN 1015-19)	-
Adhesion	EC02 ≥ 0,52 (Type B rupture) EC021 ≥ 0,21 (Type C rupture) - (UNI EN 1015-12)	N/mm ²
Thermal conductivity	EC02 0,0888 EC021 0,20 - (UNI EN ISO 10456)	W/mK
Density	497 / 1125 / 1500	Kg/m ³
Waste code	170904	

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CANAPASTUCK

Finishing stucco

CANAPASTUCK is a premixed natural stucco, with excellent coverage and filling, suitable for interiors and external use. It is a high quality ecological product, made of natural origin raw materials: hemp wood, NHL 5 hydraulic lime and specific additives. It is an easy-to-apply finishing putty. It has a medium-fine particle size, property of thermal insulation, low embodied energy respecting the principles of environmental sustainability.

USE

CANAPASTUCK is the natural premixed stucco to be used in all building conditions. It is perfect for new buildings and it gives outstanding performances in renovations, requalifying and restorations. It is fully compatible with traditional, thermal or raw premixed plasters, applied in thicknesses of 3-5 mm.




CANAPASTUCK natural finishing

WARNINGS

Do not use below + 5 °C and above + 30 °C. Do not use on frozen or thawing substrates, or at risk of freezing during the next 24 hours. In summer, protect from rapid drying by keeping the substrate moist.

FINISHING STUCCO

CANAPASTUCK	Item	Description	Package	Yield
	EC03	CANAPASTUCK Stucco external use	25 Kg	950 Kg/m ³
	EC022	CANAPASTUCK 4 Stucco internal use	25 Kg	650 Kg/m ³



CANAPASTUCK 4



CANAPASTUCK

Features	Values/description	Unity measure
Appearance	Hazelnut color	-
Granulometry	0-0,3	mm
Mixing water	0,80-0,9	l/kg
Workability a 25 °C	45	minutes
Application temperature	+5/+30	°C
Theoretical yield	EC022 0,65 EC03 0,95	Kg/m ² x mm thickness
Density	EC022 650 EC03 950	Kg/m ³
Waste code	170904	

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CANAPRIMER

Breathble primer

Water-based breathable fixative for the treatment of premixed dehumidifying, absorbent or chalking plasters. Excellent permeability to water vapor, high adhesion, water repellent, colorless, internal and external use. It is a preparatory basis for CANAPITTUR application.

Professional use.

CONSOLID A, external and internal wall treatment to consolidate the surface.

COLORPRIMER, colored base primer to be used before COLORSTUCK smoothing paste application.

USE

Temperature of use: + 5 ° c / + 30 ° C

Dilution: 1:1 use drinking water

Yield: about 5-10 m²/l depending on the support status and the dilution.

Application: brush - roller - spray

Drying: dry to the touch after 1 hour, overcoat after 8 h.

How to use: apply Canaprimmer on the wall. After drying paint the substrate with Canapittur Line

Tool cleaning: water

Storage: + 5 ° c / + 35 ° in a cool and dry place for no more than 12 months.

Please download the relevant technical data sheet from the website www.edilcanapasrl.it

WARNINGS

Do not use below + 5 ° C and above + 30 ° C.





FEATURES

- For internal and external use.
- Adhesion improvement on chalking and absorbent surfaces.
- Colorless product with an excellent support penetration.
- Better paint adhesion
- More durable paintings
- Particularly suitable for external walls consolidation with siloxane finishes.
- These products comply with VOC regulations 2010.



BREATHBLE PRIMER

CANAPRIMER	Item	Description	Package	Yield
	EC403	Internal Primer for painting	5 L	0,096 L/m2
	EC404	Internal Primer for painting	15 L	0,096 L/m2
	EC413	External Primer for painting	5 L	0,140 L/m2
	EC414	External Primer for painting	15 L	0,140 L/m2
	EC416	Consolid A Consolidating base	15 L	0,181 L/m2
	EC412	COLORPRIMER Colored base	15 L	0,140 L/m2



CANAPRIMER INTERNAL USE

Feature	Value/description
Yield	9 - 10 m ² /L
Diluition	1:4 with water
Package	1L, 5L, 15L
Color	Transparent
Application	Roller, Brush, Airless

CANAPRIMER EXTERNAL USE

Feature	Value/description
Yield	5 - 10 m ² /L
Diluition	1:1 with water
Package	5L, 15L
Color	Transparent
Application	Roller, Brush, Airless

CONSOLID A

Yield	5 - 7 m ² /L one hand
Diluition	Ready to use
Package	5L, 15L
Color	Colourless
Application	Brush

COLOR PRIMER

Yield	5 - 7 m ² /L
Diluition	20 / 30% with water
Package	15L
Color	White and colored bases
Application	Brush an Roller

CANAPITTUR

Breathble paintings

CANAPITTUR is a hemp, styrene-acrylic and siloxane binders having a high water repellency and at the same time a high permeability to water vapor (breathble).

CANAPITTUR has a structure similar to quartz sands and it is prepared with high quality pigments.

CANAPITTUR is available for external use, bush-hammered paint thanks to the addition of hemp wood and for internal use without hemp siloxane base only. For internal use it is available acrylic-based and breathable.

USE

CANAPITTUR can be used in any building conditions, in new buildings, renovations, requalifications and restorations. It is used for all interior and exterior wall painting applications.

APPLICATION

NEW WALLS

The surface must be dry, not crumbly and free of salt and moisture. It is essential coat of fixative CANAPRIMER using a brush. Wait 24 hours and then apply two hands of CANAPITTUR, the second one at least 12 hours after the first.

PAINTED AND/OR DEGRADED WALLS:

On painted walls with lime or silicate paint you just need to carefully clean the surface from dirty, salt deposits and then proceed as for new walls.

If the wall is washable or plastic coating painted, you have to remove it till you find the the virgin plaster. Insulate the clean wall with a brush coat of CANAPRIMER fixative. Wait 24 hours and then apply two coats of CANAPITTUR, the second one after at least 12 hours from the first.






FEATURE

- CANAPITTUR was formulated to protect the wall surface having high performances related to:
- resistance to UV radiation and atmospheric agents
- water resistant (water repellency) and self-cleaning.
- Permeability to water vapor (breathability)
- mold and condensation reductions
- excess moisture absorbtion

WARNINGS

Do not use below + 5 ° C and above + 30 ° C and during windy days.
Apply with two-coat brush in.
Do not apply with environment humidity > 80%.
Dry to touch: 1 hour.
Drying in depth: 24 hours.
Storage: store CANAPITTUR in original containers well closed and so it remains stable for 12 months, as long as kept in areas where temperature is not below + 5 °C and above + 40 °C.

BREATHBLE PAINTINGS

CANAPITTUR	Item	Description	Package	Yield
	EC401	Internal Painting	5 L	0,164 L/m ²
	EC402	Internal Painting	14 L	0,164 L/m ²
	EC410	External painting	5 L	0,233 L/m ²
	EC411	External painting	15 L	0,233 L/m ²
	EC412	Smoth external painting	14 L	0,233 L/m ²
	EC42 White EC43 Colored	COLORSTUCK Paste stucco	25 Kg	2 Kg/m ²



CANAPITTUR Features

Value/description

Unit measure

End use Decoration/Protection	Styrene-acrylic and siloxane resins	
Binder Type Styrene-acrylic and siloxane	Dispersion dilutable in water	
Binder dispersed or dissolved state Water soluble	1,50	g/ml
Specific wheight 1,50 g/ml	23500	cPs
Viscosity (brookfield) 23500 cPs	62.66%	
Non-volatile materials (% wheight) 62.66%	Test ΔE = 1.53	minuti
UV radiation resistance Test passed ΔE = 1.53 minutes	VOC=10 gr/lt	gr/lt
Volatile organic compounds VOC=10 gr/lt gr/lt	9	Mq/lt
Theoretical Yield 9 Mq/lt	Matte	-
Brightness Mat -	Thickness >50 e <100 μm	-
Film thickness Thickness >50 e <100 μm -	W=0.050	Kg/m ² min ^{0,5}
Water absorbtion W=0.050 Kg/m ² min ^{0,5}	Sd= 0.0460 m thickness = 143 μm μ=322	-
Resistance to water vapor diffusion (μ)	(μ) Sd= 0.0460 m thickness = 143 μm μ=322	

 **EDILCANAPA®**

INSULATION SYSTEMS

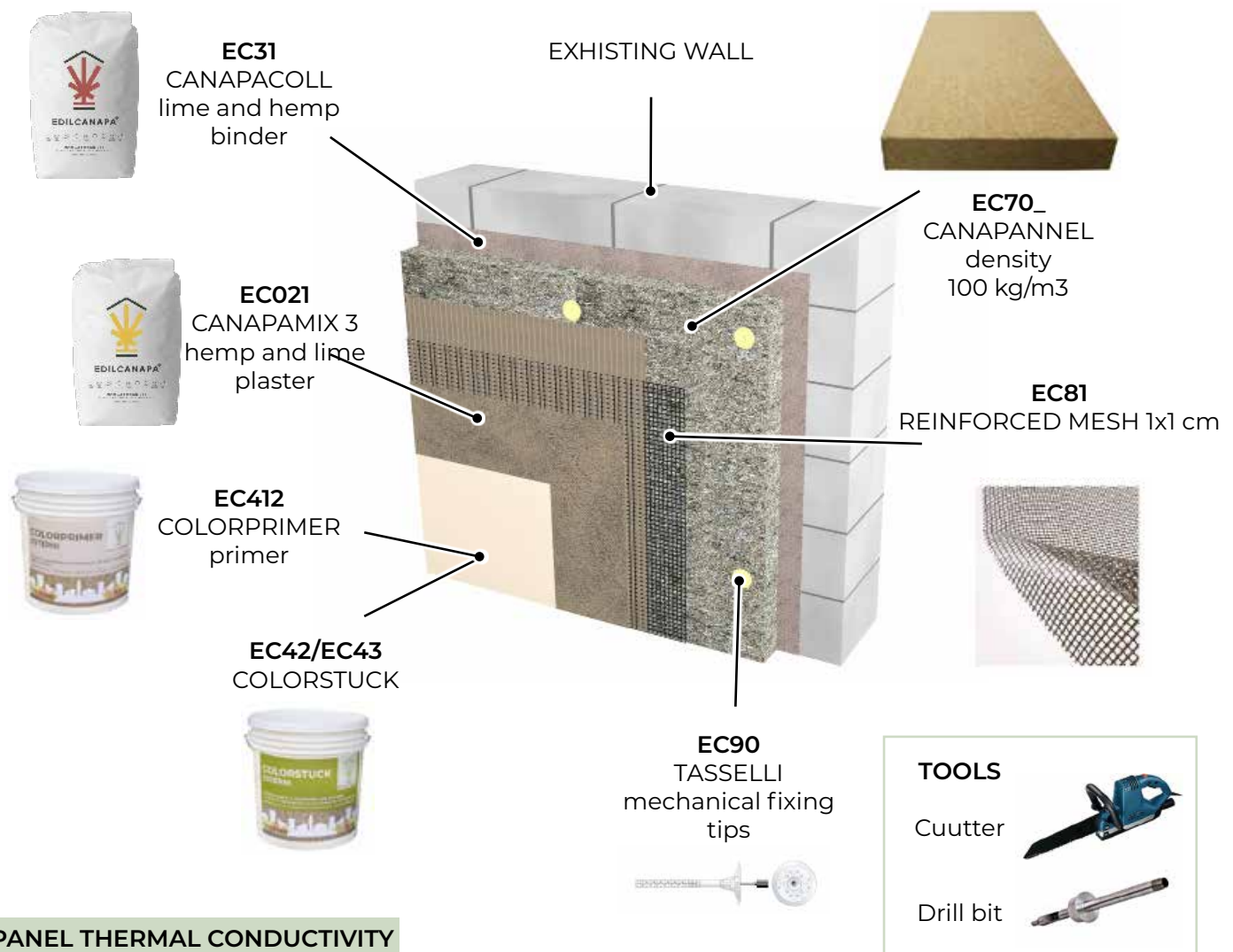
 **ECO-TERMOPACK®**





The Eco-Termopack external insulation system has a traditional laying and it is composed by eco-friendly and natural based products mainly made of hemp wood and fiber and NHL 5 lime, ensuring high thermal performances and respecting the environment. The use of hemp guarantees insulation, breathability, resistance. Installation as a standard procedure is foreseen, starting with the application of the adhesive CANAPACOLL on the CANAPANNEL fiber panel (available from 4 to 18 cm thick). Then position it on the wall fixing the steel pins. Finally plaster with CANAPAMIX 3 (also with plastering pump), drowning the glass fiber mesh reinforcement (ETA). For finishing, use the COLORPRIMER fixative and COLORSTUCK.

LAYING SCHEME



**PANEL THERMAL CONDUCTIVITY
CANAPANNEL: 0,039 W/mK**

DRY INSULATING SYSTEM



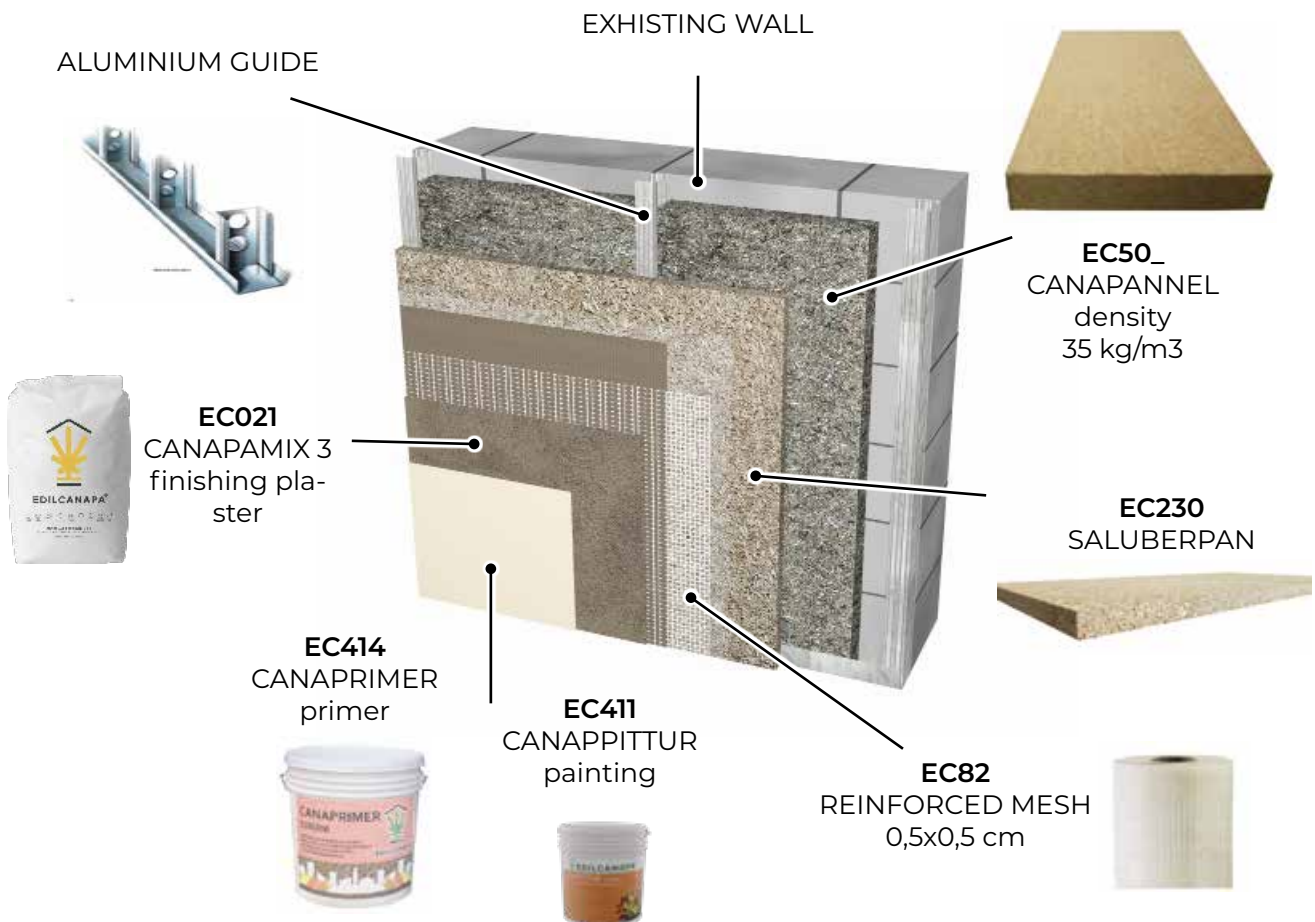
The EDILCANAPA DRY insulation system is composed by eco-friendly and natural based products mainly made of hemp wood and fiber and NHL 5 lime, ensuring high thermal performances and respecting the environment. For installation, please download the manual from the website.

Installation phases:

- fix the uprights and guides onto the existing wall;
- position fiber panel CANAPANNEL (available from 4 to 20 cm of thickness) in the interspace frame;
- screw SALUBERPAN panels to the frame.
- plaster using CANAPAMIX 3, drowning the fiberglass net
- finish the wall using CANAPRIMER fixative and CANAPITTUR the siloxane and hemp paint.

LAYING SCHEME

External dry insulation installation



PANEL THERMAL CONDUCTIVITY
CANAPANNEL: 0,039 W/mK

The **NANOCAPPOTTO**® - Termopack system is a low thickness thermal reflective plaster which works like a thermal coat for EXTERNAL and INTERNAL USE.

The heat-reflecting characteristic of the NanoCappotto® retains heat in the environment, preventing the thermal flux dispersion through the wall.

In winter it has very low thermal transmittance values; in summer, high thermal displacement values.

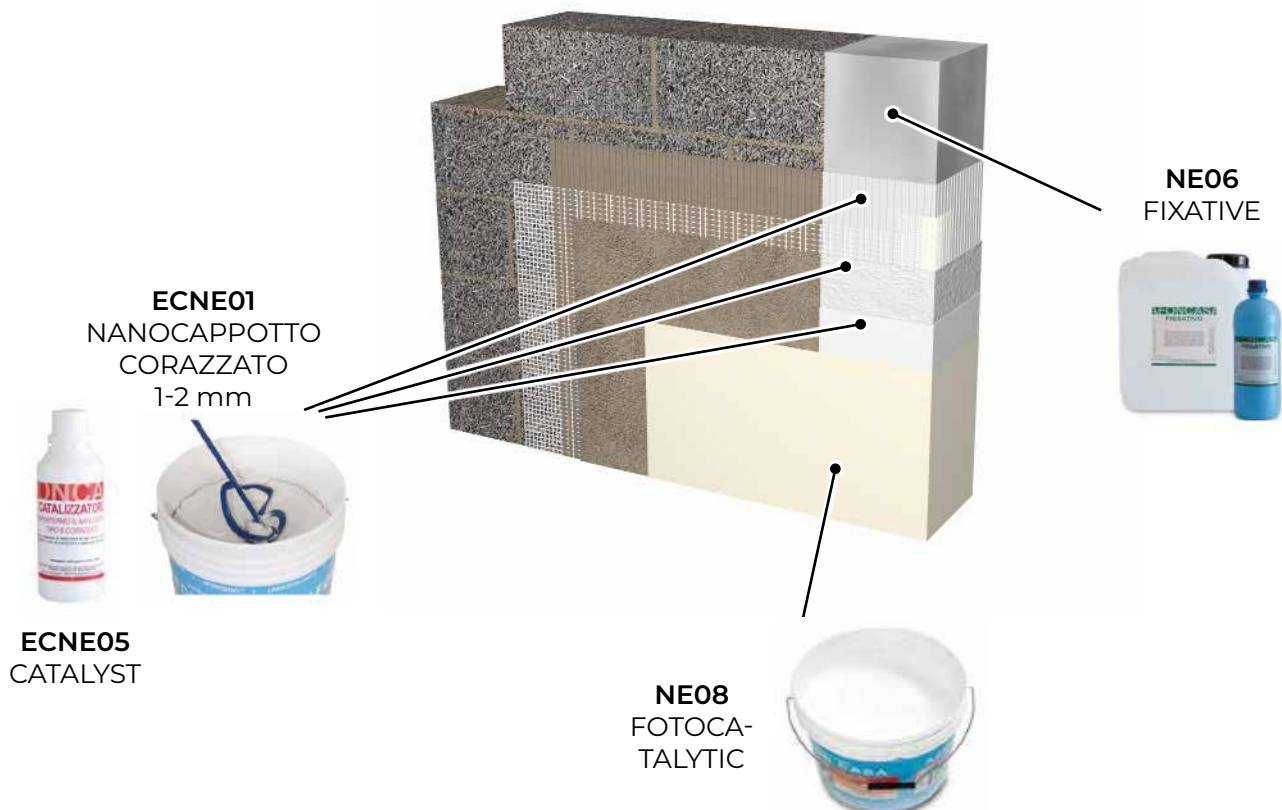
Apply NanoCappotto® to any dispersing surfaces of buildings (walls, ceilings, steel and/or reinforced concrete pillars, thermal bridges), to create an external insulation system, effectively correcting thermal bridges with a very low thickness. It is breathable, solving problems of surface condensation and molds phenomenon. It allows the natural steam flow passage through the masonry, preserving its thermohygroscopicity and creating a healthier indoor environments. Apply NanoCappotto® minimum 6 mm thickness for external use and 3/5 mm for the internal one. For last coating use a fine particle size. Once dry, the smoothing NanoCappotto® has a bright white color, so it may not need painting. Alternatively it can be painted only and exclusively with NanoCappotto® THERMOPHOTOCATALYTIC PAINT, which can be colored with the aid of mineral oxides.

This product is recommended for the insulation of thermal bridges with low thickness interventions.



LAYING SCHEME

Concrete frame insulation



WALL INSULATING SYSTEM



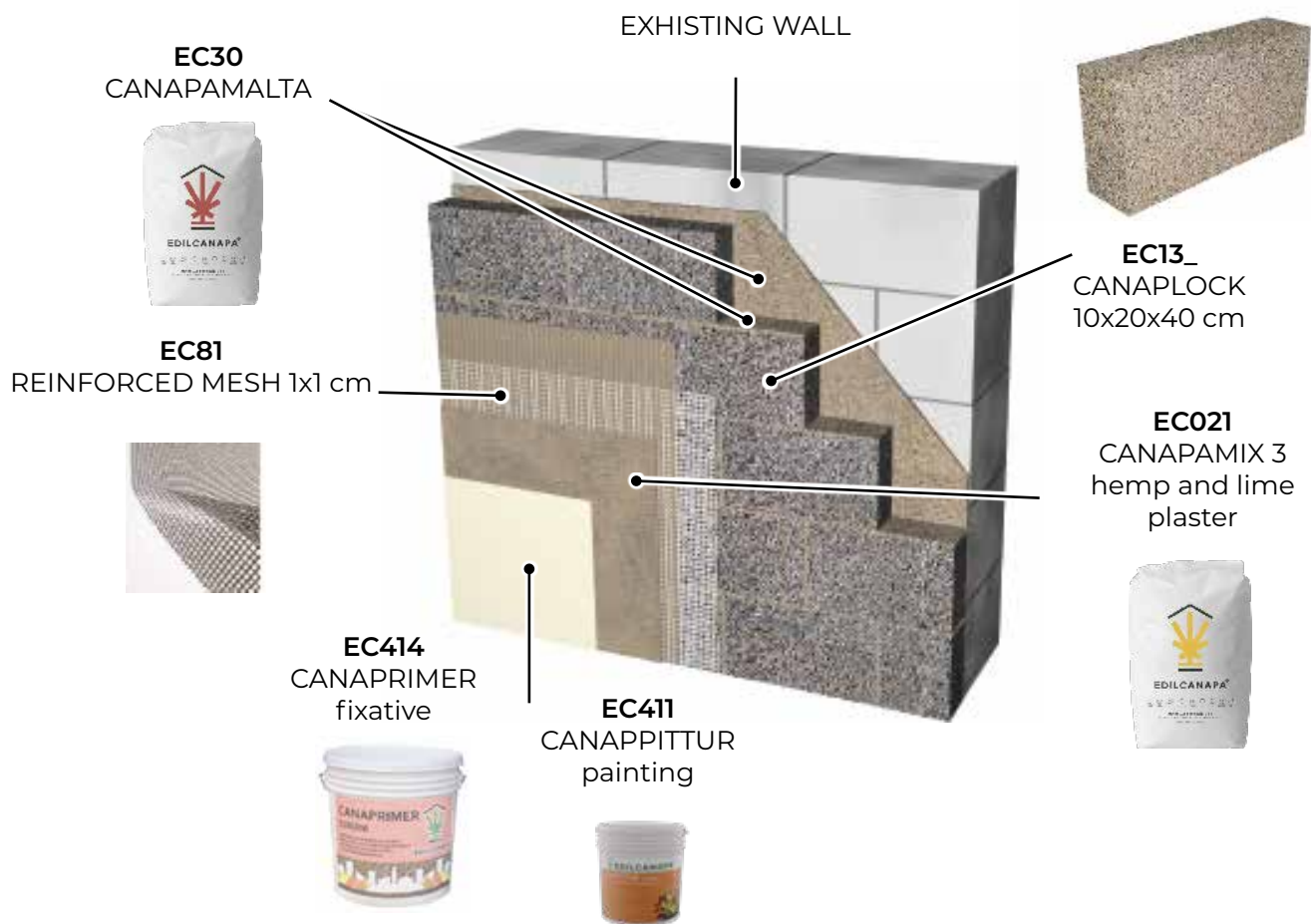
CANAPLOCK is used for external and internal cladding, partitions and counter walls. For insulating wall system, apply the block both internally and/or externally to the wall existing, using the hemp and lime binder or leaving an insulating gap.

Place the blocks proceeding with an anchor on perpendicular walls and enticing blocks in staggered courses with CANAPAMALTA.

Once the wall is finished, proceed with CANAPAMIX 3 plaster by plunging a common network plaster holder on 3/4 of the thickness.

If the counterwall is built internally, finish the coat with CANAPASTUCK 4 and proceed with CANAPRIMER fixative primer and CANAPITTUR paint.

LAYING SCHEME



**CANAPLOCK THERMAL
CONDUCTIVITY 0.0784 W/mK**

The use of hemp made products guarantees: insulation, resistance and breathability duration.

Edilcanapa insulation roof system is a dry system using CAPANNEL 35 kg/m³ with crossing laying to avoid any thermal bridges close to wooden strips.

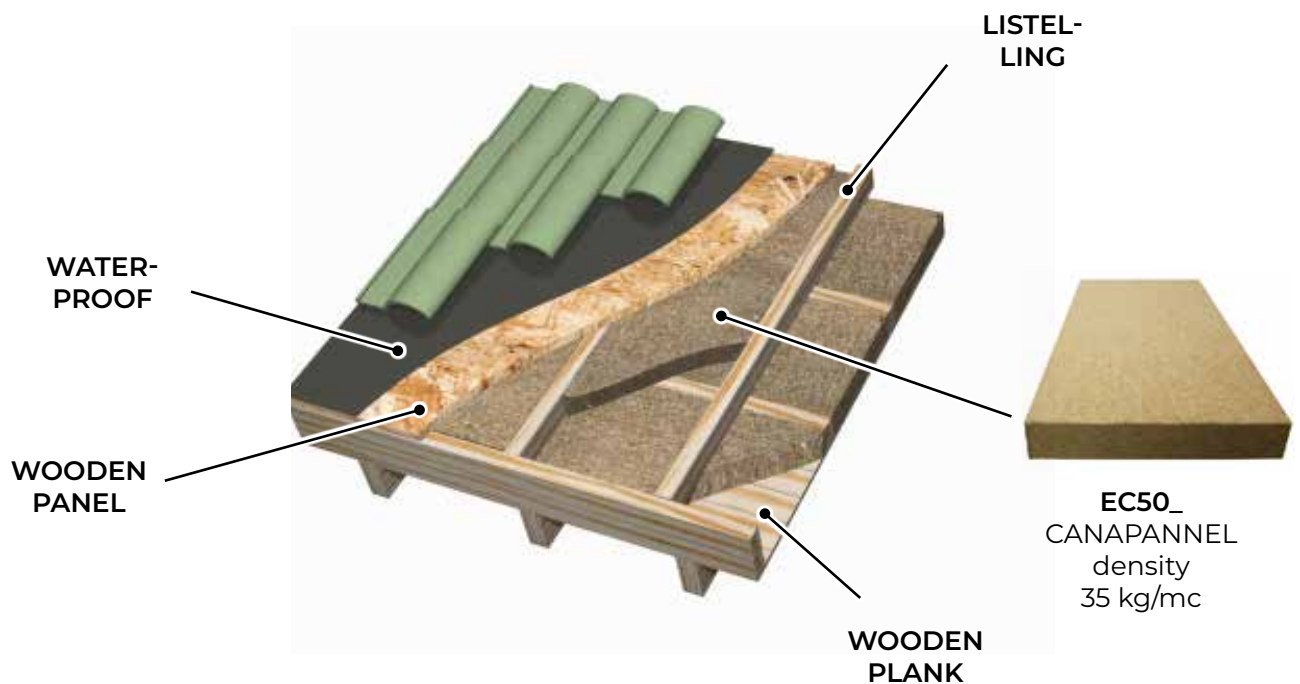
In case of additional thermal inertia (thermal displacement) you can use CANAPANNEL 100 kg/m³, 130 kg/m³.

For cavity application, apply CANAPANNEL monolayer.



LAYING SCHEME

Roof insulation



THERMAL CONDUCTIVITY CANAPANNEL: 0,039 W/mK

*) Please verify while designing if a vapour sheath is needed

EDILCANAPA

A NEW WAY TO BUILD



EDILCANAPA is a registered trademark and a division of Metalinea Srl, a company metal-working company who decided to invest its resources to develop a complete line of eco-friendly materials for building.

Home is the heart of the family: living in a healthy environment makes man feeling better, both in body and in mind.

Choosing to use eco-friendly products also means great energy savings.



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Lago di Campotosto natural riserve
Gran Sasso e Monti della Laga national park
(Abruzzo Region)

HEMP FEATURES

THERMAL
INSULATION



THERMAL
INSULATION



ACOUSTIC
INSULATION



ECO-FRIENDLY



THERMAL
INERTIA



BREATHBLE



LIGHT



SAFE AND
LONG-LASTING



100% NATURAL



HEALTHY



RECYCLABLE AT
THE END OF LIFE



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