Competence and Innovation

SCHILLIGER HOLZ

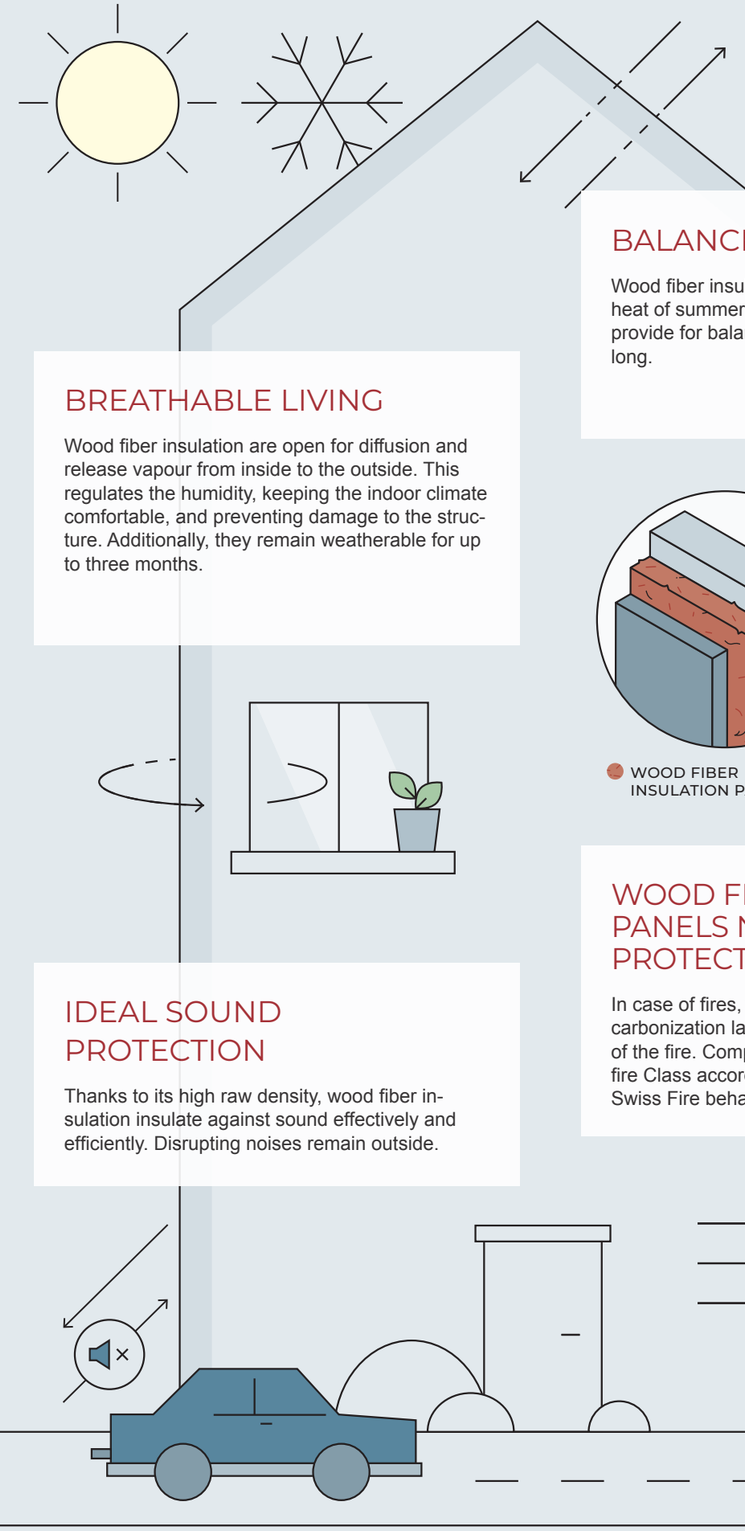
LIGNATHERM WOOD FIBER INSULATION

SWISS WOOD

LIGNATHERM
REAL STRONG. REAL SWISS

A GOOD CHOICE

Sustainable Sourcing for a Healthier World.



BALANCED PROTECTION

Wood fiber insulation protect not only against the heat of summer and the cold of winter, but also provide for balanced temperatures the whole day long.

BREATHABLE LIVING

Wood fiber insulation are open for diffusion and release vapour from inside to the outside. This regulates the humidity, keeping the indoor climate comfortable, and preventing damage to the structure. Additionally, they remain weatherable for up to three months.

WOOD FIBER INSULATION PANEL

IDEAL SOUND PROTECTION

Thanks to its high raw density, wood fiber insulation insulate against sound effectively and efficiently. Disrupting noises remain outside.

WOOD FIBER INSULATION PANELS NATURAL FIRE PROTECTION

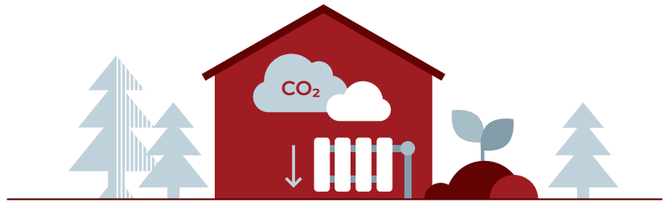
In case of fires, wood fiber insulation form a carbonization layer which inhibits further spread of the fire. Compression resistant panels achieve fire Class according to EN 13501 corrisponding to Swiss Fire behaviour group RF3.

SCHILLIGER LIGNATHERM – NATURALLY FROM SWISS TIMBER

In our Swiss facilities we process only wood from regional managed forests. Thereby we strengthen the Swiss timber industry, minimize transport, and make an important contribution to a better ecological scorecard for your construction project. In addition: LIGNATHERM Wood fiber Insulation are not only made from Swiss wood, they are also manufactured in Switzerland.

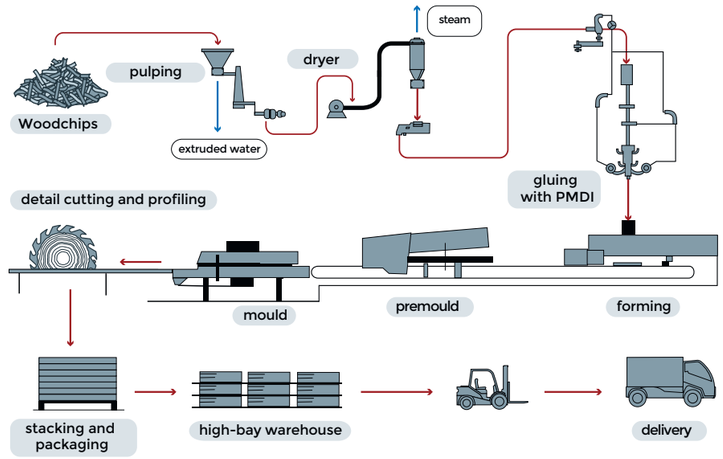
GOOD FOR THE ENVIRONMENT

LIGNATHERM Wood fiber insulation make buildings into terrific CO2 reservoirs, because they absorb far more CO2 than would be made available in the course of optimized and fully automated production. Additionally, they contribute to savings on heating fuel.



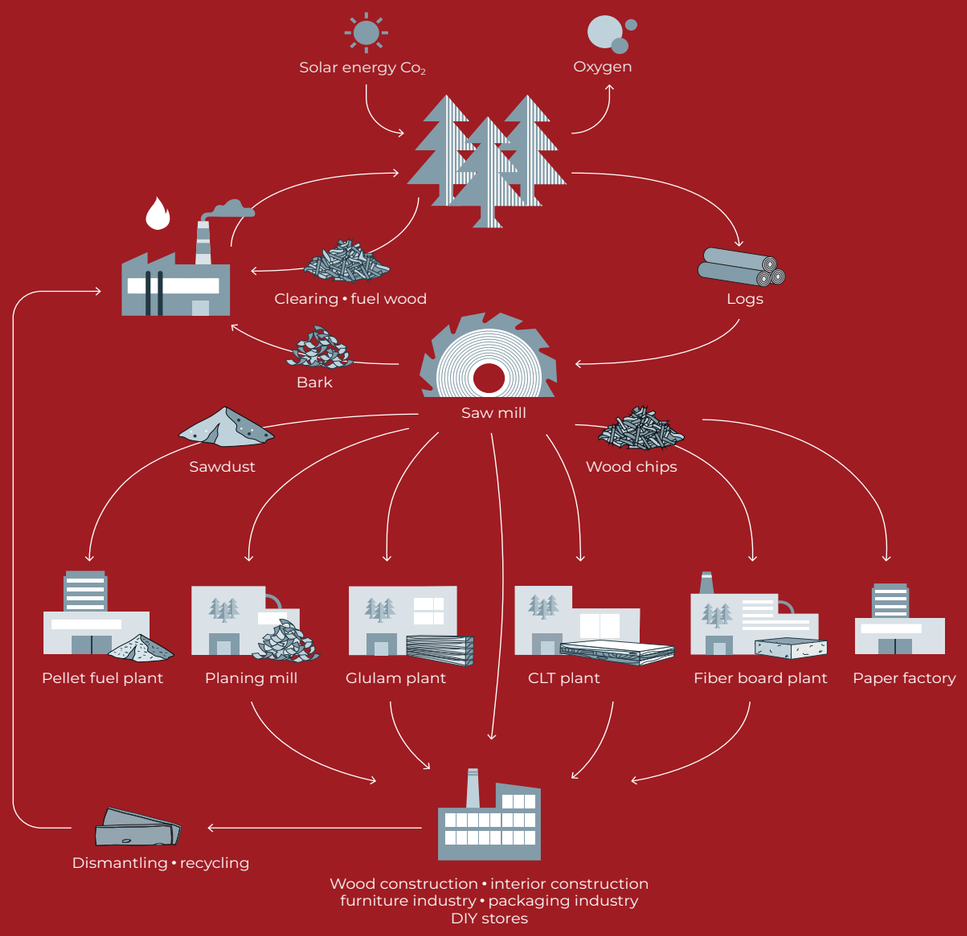
SUSTAINABLE AND EFFICIENT PRODUCTION

For the production of LIGNATHERM Wood fiber insulation, Schilliger uses recyclable wood product from our own facilities as well as from the region, a process that results in ecological and efficient production.

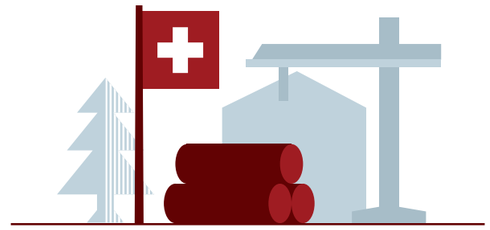


LIVING OUT THE CIRCULAR ECONOMY

At Schilliger Holz, nothing goes to waste. We make optimal use of all our products, following the cascade principle- first in materials, then in energy use. Wood by-products are fed into our fiber insulation works as well as into the local paper and particle board industries. The accumulated sawdust is converted into fuel pellets directly on site at EBL Energie Rigi, while the bark is used for fuel there. We draw electrical power and heat directly from EBL Energie Rigi and our own solar power plant, making no use of fossil fuels. Our transport logistics are based on the principles of the circular economy: Wherever possible, we combine the delivery of wood products in a region with the removal of log wood. This avoids empty trips.

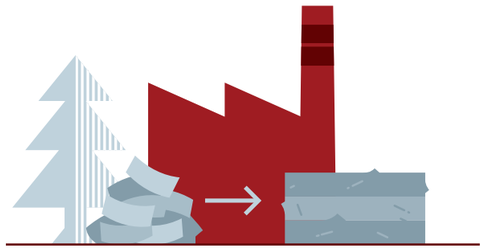


YOUR ADVANTAGES IN BRIEF



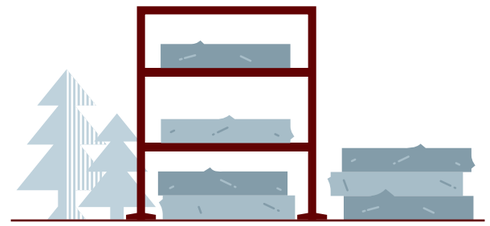
SWISS WOOD FROM SWISS PRODUCTION

LIGNATHERM reflects uncomprising quality, and engineering ingenuity. It is rigorously manufactured to deliver consistent performance.



LOCALLY SOURCED RAW MATERIAL ON SITE

For LIGNATHERM-products, we use woodchips out of our own sawmills. In doing so we save not only expensive purchase of raw materials, but we also keep the transport times short – sustainable, and efficient.

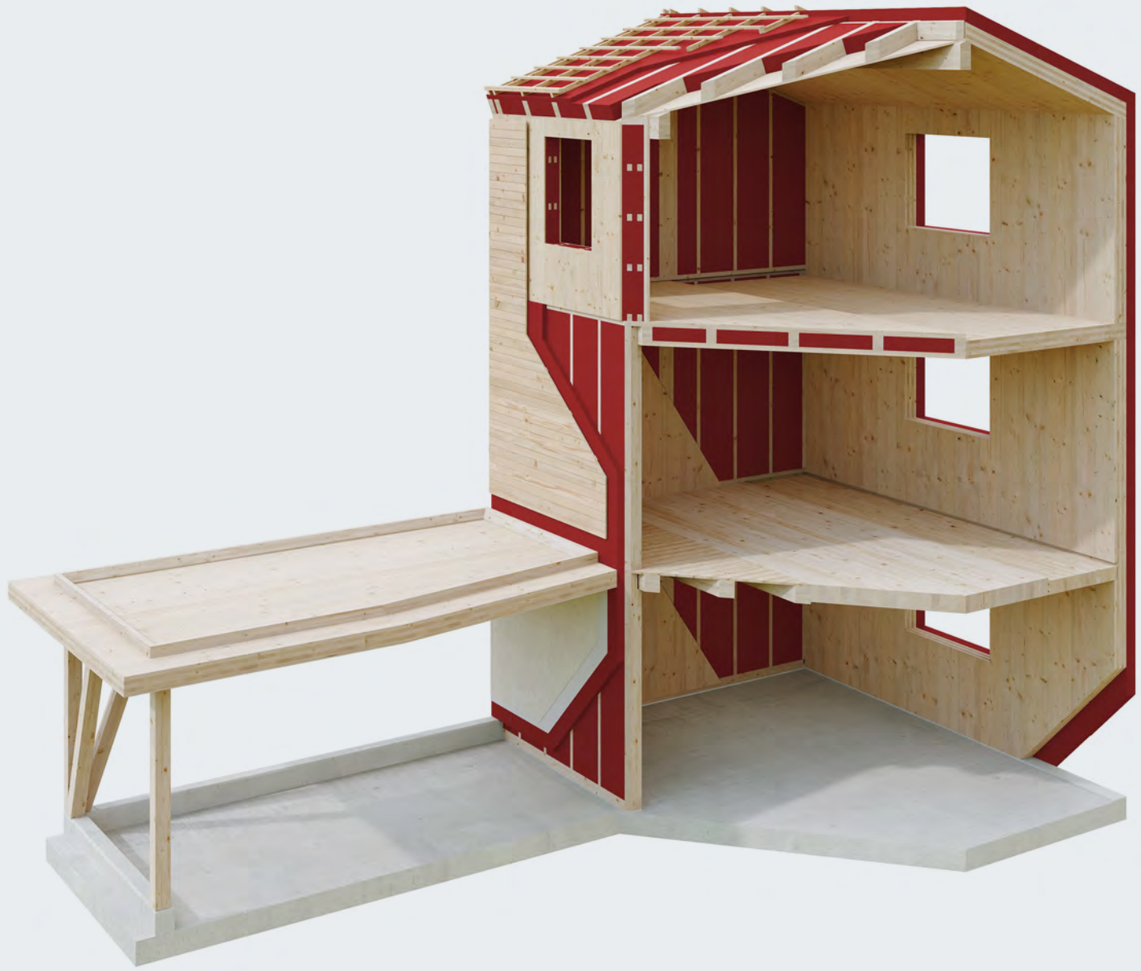


FOCUSED PRODUCT RANGE

A slim product range streamlines the material specification, purchasing, logistics and installation process.

COMPLETE RANGE OF PRODUCTS ON OFFER

Our insulation products are highly versatile.



COMPREHENSIVE SERVICE

WE OPTIMIZE YOUR ORDER

Our consulting services go far beyond the usual sales talk. Our engineering office will support you with drafting, in planning details of construction, and in preparing your assembly plans. We optimize the use of the wood fiber insulation boards for you and shorten the installation time.

YOU ORDER, WE DELIVER

We deliver on-time, on-site domestically or abroad – both large and small orders.

EVERYTHING FROM ONE SOURCE

You can get a variety of wood products from us – from lumber and planed timber to glued wood, CLT panels, ceiling systems, and wood fiber insulation including support and technical services

LIGNATHERM 140/180

The versatile, multi-function panel for roof, wall, and interior construction.

SWISS WOOD

TECHNICAL DATA

Raw density kg/m³	140	180
Nominal value for heat conduction λ_D [W/m · K]	0.040	0.043
Vapour diffusion μ	3	3
Fire behaviour under EN 13501	E	E
Compressive stress at 10% buckling [kPa]	100	150
Tensile strength vertical to panel plane [kPa]	20	25
Specific heat capacity [J/kg · K]	2'100	2'100
Designation	WF-EN13171-T5-DS(70,-)2-CS(10\Y) 100-TR20-WS1.0-MU3-AFr100	WF-EN13171-T5-DS(70,-)2-CS(10\Y)150-TR25-WS1.0-MU3-AFr100

DELIVERY FORMS LIGNATHERM 140

Edge:

Thickness [mm]	Gross format [mm]	Surface area [mm]	Number of panels [pcs.]	Gross area / pallet [m²]	Net area / pallet [m²]	Weight per pallet [kg]	Height pallet [mm]
60	2,550 x 605	2,531 x 586	40	61.7	59.3	540	1,320
40*	1,880 x 605	1,861 x 586	60	68.2	65.4	400	1,320
60	1,880 x 605	1,861 x 586	40	45.5	43.6	400	1,320
80	1,880 x 605	1,861 x 586	30	34.1	32.7	400	1,320
100	1,880 x 605	1,861 x 586	24	27.3	26.2	400	1,320
120	1,880 x 605	1,861 x 586	20	22.7	21.8	400	1,320
140	1,880 x 605	1,861 x 586	16	18.2	17.4	375	1,240
160	1,880 x 605	1,861 x 586	14	15.9	15.3	375	1,240
180	1,880 x 605	1,861 x 586	12	13.6	13.1	365	1,200
200	1,880 x 605	1,861 x 586	12	13.6	13.1	400	1,320

*60 mm and above is suitable for plastering over.

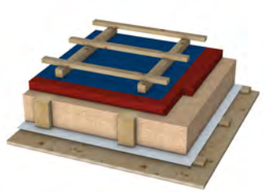
DELIVERY FORMS LIGNATHERM 180

Edge:

Thickness [mm]	Gross format [mm]	Surface area [mm]	Number of panels [Stk.]	Gross area / pallet [m²]	Net area / pallet [m²]	Weight per pallet [kg]	Height pallet [mm]
35*	2,550 x 605	2,531 x 586	68	104.9	100.9	685	1,310
40*	2,550 x 605	2,531 x 586	60	92.6	89.0	690	1,320
60	2,550 x 605	2,531 x 586	40	61.7	59.3	690	1,320

*60 mm and above is suitable for plastering over.

Sub-roof



Back-ventilated facade

facade plastered (WDVS)

LIGNATHERM 110

The ideal rafter insulation for every roof.

TECHNICAL DATA

Raw density [kg/m³]	110
Nominal value of heat conduction λ_D [W/m · K]	0.038
Vapour diffusion μ	3
Fire behaviour under EN 13501	E
Compressive stress at 10% buckling [kPa]	50
Tensile strength vertical to panel plane [kPa]	5
Specific heat capacity [J/kg · K]	2'100
Designation	WF-EN13171-T4-CS(10\Y)50-TR2.5-WS2.0-MU3-AFr30

DELIVERY FORMS LIGNATHERM 110

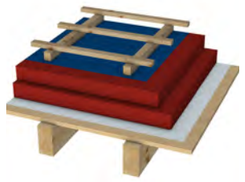
Edge:

Thickness [mm]	Gross format [mm]	Surface area [mm]	Number of panels [pcs.]	Gross area / pallet [m²]	Net area / pallet [m²]	Weight per pallet [kg]	Height pallet [mm]
40	1,320 x 600	1,320 x 600	120	95.0	95.0	445	1,320
60	1,320 x 600	1,320 x 600	80	63.4	63.4	445	1,320
80	1,320 x 600	1,320 x 600	60	47.5	47.5	445	1,320
100	1,320 x 600	1,320 x 600	48	38.0	38.0	445	1,320
120	1,320 x 600	1,320 x 600	40	31.7	30.9	445	1,320

Edge:

140	1,320 x 600	1,305 x 585	32	25.3	24.4	415	1,240
160	1,320 x 600	1,305 x 585	28	22.2	21.4	415	1,240
180	1,320 x 600	1,305 x 585	24	19.0	18.3	400	1,200
200	1,320 x 600	1,305 x 585	24	19.0	18.3	445	1,320
220	1,320 x 600	1,305 x 585	20	15.8	15.3	410	1,220
240	1,320 x 600	1,305 x 585	20	15.8	15.3	445	1,320

Rafter insulation



SWISS WOOD

FLEX 50

Effectivly insulated and simply secured.

TECHNICAL DATA

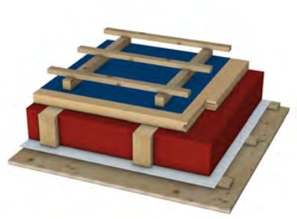
Raw density [kg/m³]	50
Nominal value of heat conduction λ_D [W/m · K]	0.036
Vapour diffusion μ	1-2
Fire behaviour under EN 13501	E
Specific heat capacity [J/kg · K]	2'100
Designation	WF-EN 13171-T3-MU1/2-AFr10

DELIVERY FORMS INSULATION PANELS FLEX 50

Edge:

Thickness [mm]	Length net [mm]	Width net [mm]	Number of Panels / pallet [pcs.]	Area/ pallet [m²]	Packets/ Pallet [pcs]	Weight per pallet [kg]	Height pallet [mm]
40	1,220	575	120	84.2	10	185	2,534
50	1,220	575	96	67.3	8	185	2,534
60	1,220	575	80	56.1	8	185	2,534
80	1,220	575	60	42.1	10	185	2,534
100	1,220	575	48	33.7	8	185	2,534
120	1,220	575	40	28.1	8	185	2,534
140	1,220	575	32	22.5	8	170	2,374
160	1,220	575	30	21.1	10	185	2,534
180	1,220	575	24	16.8	8	165	2,294
200	1,220	575	24	16.8	8	185	2,534

Sub-roof



back-ventilated facade

< Flex 50 is a trade product from neighbouring foreign countries.

BLOWN INSULATION

The simple soultion for seamless wood-fiber insulation.

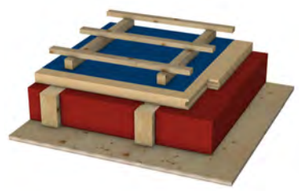
TECHNICAL DATA

Raw density [kg/m^3]	40
Nominal value of heat conduction λ_D [W/m · K]	0.038
Vapour diffusion μ	1-2
Fire behaviour under EN 13501	E
Specific heat capacity [J/kg · K]	2'100
Designation	ETA-23/0125

DELIVERY FORMS BLOWN INSULATION

Packaging	Number of bales / pallet [pcs.]	Weight / bales [kg]	Weight / pallets [kg]	Length pallet [mm]	Width pallet [mm]	Height pallet [mm]
laminated	21	15	315	1,200	800	2,550
unlaminated	18	20	360	1,200	800	2,550

Sub-roof



Back-ventilated facade

< Blow-in insulation is a trade product from a neighbouring foreign country.

PROFILE BATTENS

Fitting and reliable.

TECHNICAL DATA

Raw density [kg/m³]	420
Fire protection group	RF3

DELIVERY FORMS PROFILE BATTENS

Thickness [mm]	Pieces / pallet [Stk.]	Net length [mm]	Width overall [mm]	Gross width [mm]	Pallet net [m³]	Width pallet [mm]	Height pallet [mm]
40	135	5’000	65	85	675	1’000	500
60	90	5’000	65	85	450	1’000	500

Back-ventilated facade

Competence and Innovation

SCHILLIGER HOLZ

SCHILLIGER HOLZ AG – ALWAYS CLOSE TO YOU

Haltikon (CH)
Main office; lumber, planed timber, Glulam, CLT panels, sawmill by-products

Küssnacht am Rigi (CH)
Wood fiber insulation

Perlen (CH)
Lumber, sawmill by-products

Volgelsheim (F)
Lumber, finger-jointed solid wood, CLT panels, CL-Therm, sawmill by-products

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