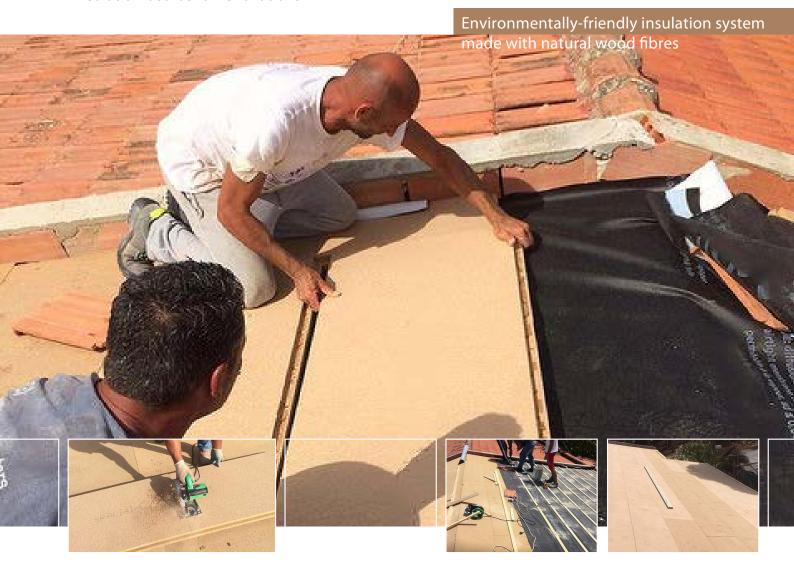
Fibertherm special dry



Insulation boards for renovations



| AREAS OF APPLICATION

Insulating weatherboarding made from natural wood fibres.

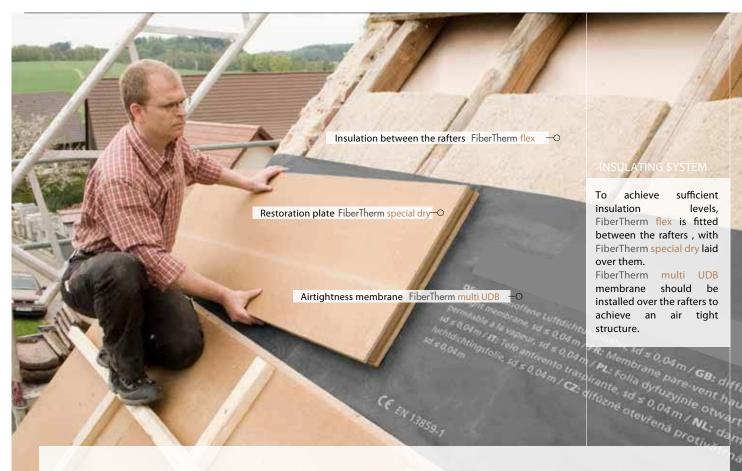
Suitable for both sheathing and roofing applications.

Ideal for renovation and new build projects.



- provides an additional insulation layer above rafter level
- applied over the rafters or studs to improve insulation values
- 3 fold functionality; insulation, wind tightness & weatherproofing
- · high 'Summer Heat' protection
- good sound insulating properties
- can be laid directly onto the rafters without additional support
- both easy to handle and work with
- water vapour open for healthy constructions
- exposure to the elements for up to 12 weeks on new build projects and 4 weeks for renovation projects for roof pitches over 16°
- · high insulation values, improving energy efficiencies
- · reduces thermal bridging

For more informations about the uses and the installation, our offices are ready to answer your questions on www.fibradilegno.com



Old roofs insulated efficiently

FiberTherm special dry y is the new generation of insulation materials for external roof renovations.

> As much as 25 % of all household heat losses occur through the roof. In dwellings where an attic roof has been converted to a habitable space, it is not always possible to insulate the roof from the inside in order to meet new energy efficiency regulations.

In renovations:

- 1 Roof tiles or similar
- 2 Tile battens and counter
- 3 FiberTherm special dry fitted directly onto rafters
- 4 FiberTherm multi UDB Membrane
- 5 Insulation between rafters eg. FiberTherm zell o FiberTherm flex
- 6 Internal Finishes eg Plasterboard

Often rafters are not deep enough in their own right to accept the desired depth of insulation.

> Fibertherm special dry has been designed to be laid on top of the rafters, offering the desired insulation values with the least disruption to the inside.

The boards are rigid, stable and most of all good insulators.

IMMEDIATE PROTECTION FROM THE WEATHER - WEATHERING UP TO 12 WEEKS



When tackling roof renovations with traditional materials, it is usually necessary to offer immediate temporary protection in order to preserve the rooms below from the elements. Fibertherm special dry with its Tongue & Grooved profile can offer immediate wind and rain protection for roofs of pitches over 16° without additional materials, (this can be achieved for roofs with shallower pitches with some additional measures). Fibertherm special dry gives immediate protection against the elements, with up to 4 weeks protection on renovation projects and exposure of up to 12 weeks on new build projects permissible.

SAFE DESIGNS



When using a suitable internal finish, it is possible that the requirement for a vapour barrier to be fitted tight on the room side can be negated.

This process can be tricky in practice and easily avoided by installing Fibertherm multi UDB.

This multi functional layer can be easily laid over the rafters and under the Fibertherm special dry board, offering a simple yet effective solution. Using Steicospecialdry in combination with either Fibertherm flex or Fibertherm zell, super performance roof solutions can be achieved, offering great insulation in the winter and protection against

overheating during the summer months.

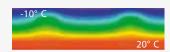
INSULATING SYSTEM

A non insulated roof in an old building is not only a 'cash guzzler', but also results in cold internal surfaces. This in turn can lead to an uncomfortable air movement in the room.

Non insulated roof



Insulated roof with Fibertherm



Thermal imaging through a cross section of a roof shows the heat loss through the non insulated roof and the pleasant warm room under a Fibertherm insulated roof.

A roof with 140 mm of Fibertherm flex and 60 mm Fibertherm special dry will have up to 90 % less energy demand when compared to that of a non insulated roof. A warm ceiling also give a feel good factor.

3 PLUS ADVANTAGES



0.040 W/(m*k): Very good thermal conductivity

The improved thermal conductivity of Fibertherm special dry allows for a reduced roof thickness whilst maintaining good summer heat protection.

By utilising Fibertherm special dry over the rafters, cold thermal bridging is effectively minimised.



Effective weather control profile

The unique tongue & grooved profile of Fibertherm special dry has been developed for ease of installation and lasting weather security.

The profile is compatible to that of Fibertherm special produced on the wet process line and thus can be mixed and matched if necessary.



Easily installed, lightweight insulation boards

With a density of circa 140 kg/m³, Fibertherm special dry boards are lightweight and easy to use.

A 60 mm board only weighs 9.1 kg, so can be installed by one person. This means that even large roof areas can be quickly, easily and most importantly, economically renovated..

Wood fibre insulation produced in accordance with EN 13171, with quality assurance monitoring.

Store laid flat in dry conditions

Protect against edge damage

Keep wrapped until ready to use

Maximum stack height of 2 pallets.

FiberTherm uses wood from sustainably managed forests, certified according to the strict guidelines of the FSC® (Forest Stewardship Council®).

Fibertherm special dry is particularly user friendly and will not knowingly cause skin irritation. It can be worked with traditional woodworking tools, such as hand or electric saws. When cutting and handling FiberTherm products please ensure the correct personal protection equipment is used.

Thickness	Dimesions	Real surface	Weight/m²(kg) Panels/Pallet	m²/Pallet	kg/Pallet
40 mm	1880x600 mm	1855x575 mm	5,60	56	59,7	ca.420
120 mm	1880x600 mm	1855x575 mm	16,80	18	19,2	ca.360
140 mm	1880x600 mm	1855x575 mm	19,60	16	17,1	ca.370
160 mm	1880x600 mm	1855x575 mm	22,40	14	14,9	ca.370
180 mm	1880x600 mm	1855x575 mm	25,20	12	12,8	ca.360
200 mm	1880x600 mm	1855x575 mm	28,00	12	12,8	ca.390

| TECHNICAL CHARACTERISTICS | Fibertherm special dry

Produced and supervised in accordance with	DIN EN 13171		
Board Designation	WF- EN 13171-T5 - CS(10 \Y)100 - TR 10 - WS 1,0 - MU3		
Fire classification according to EN 13501-1	E		
Thermal Conductivity $\lambda_{_{D}}W/(m*K)$	0,040		
Declared Thermal Resistance R _D (m ^{2*} K)/W	2,90(120)/ 3,40(140) / 3,90(160)/ 4,35(180)/4,85(200)		
Density kg/m³	ab.140		
Water vapour resistance diffusion factor μ	3		
sd value (m)	0,36(120)/ 0,42(140)/ 0,48(160)/ 0,54(180)/ 0,60(200)		
Specific Heat Capacity c J/(kg*K)	2.100		
Compressive strength at 10 % compression σ_{10} (N/mm ²)	0,1		
Compressive strength (kPa)	≥100		
Tensile strength perpendicular to the board \bot (kPa)	≥10		
Length related flow resistance (kPa*s)/m ²	≥100		
Raw materials	wood fibre, polyurethane resin, paraffin wax		
Waste code (EAK)	030105/170201		

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Member of WWF Global Forest & Trade Network



Production certified accor. to ISO 9001:2008







