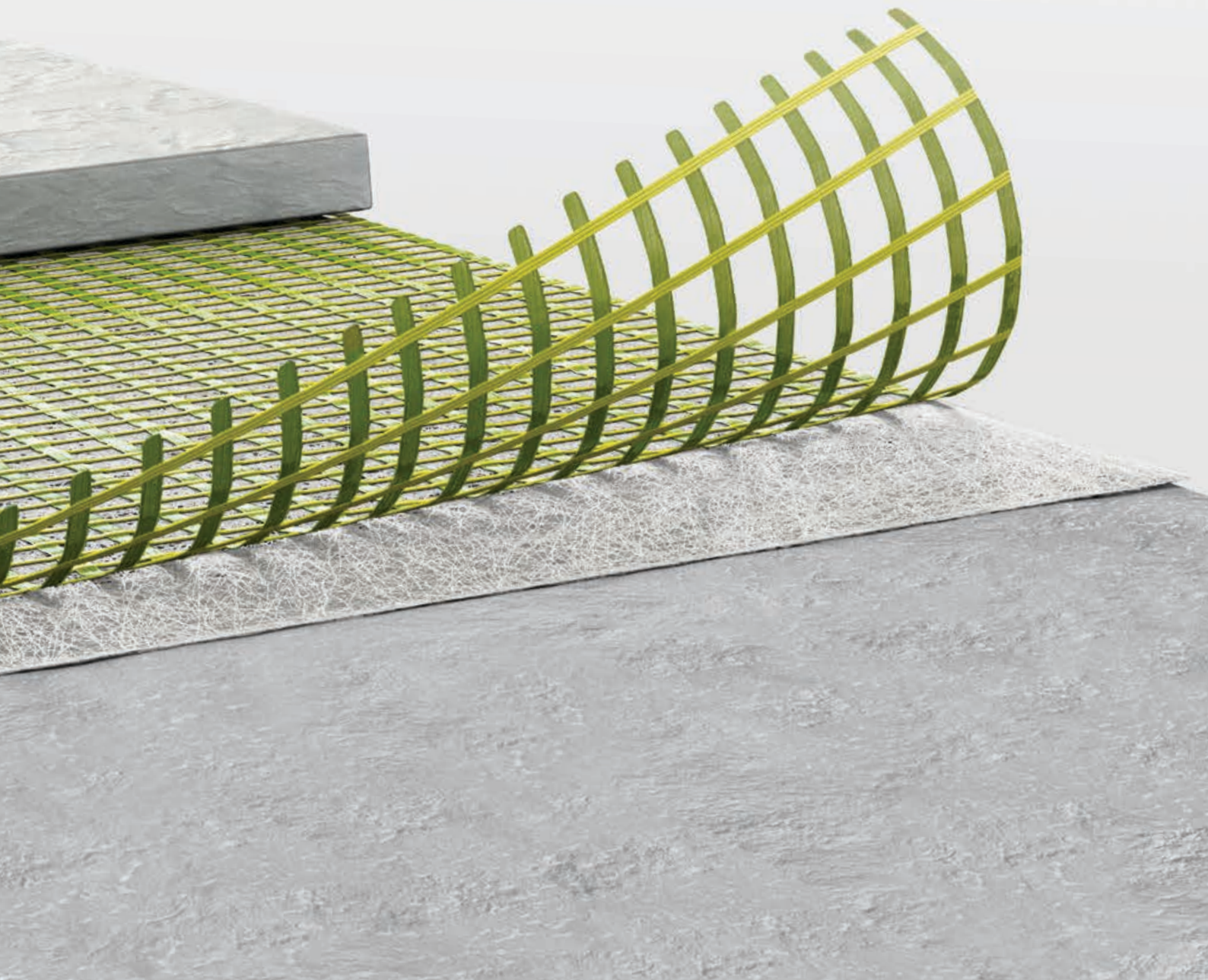


PROLINE

# PROSECURE *fibretec 2.0*

ONE FLOOR COVERING SUPPORT. NO COMPROMISES.





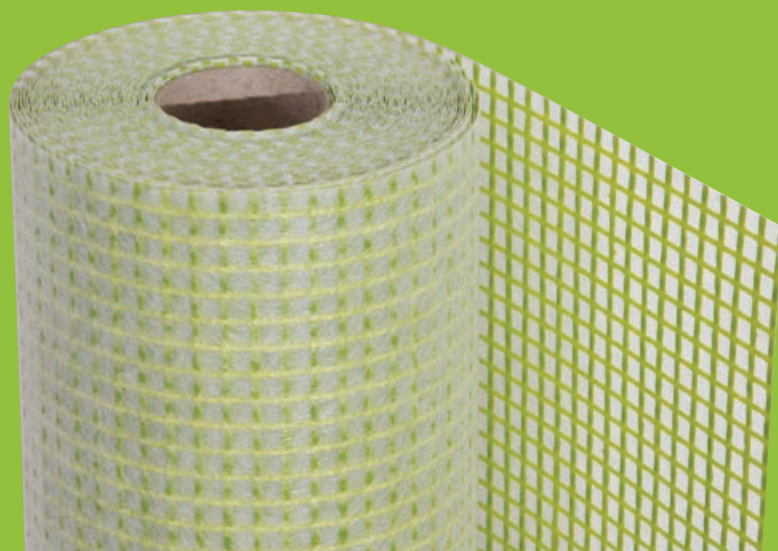
# PROSECURE*fibretec* 2.0

## THE PROBLEM SOLVER FOR ANY SURFACE LAYER

Natural, open and elegant – these are the demands on modern room design. Therefore large tiles, natural stones of strong character and solid wood floors are at the top of the list of customer requests. To ensure that the trendy large sizes satisfy customers in the long term, one thing is essential: the secure bond between floor and substrate. This is exactly what you get with the PROSECURE*fibretec* 2.0 reinforcement and uncoupling mat from Proline – for interior and exterior use on all substrates, for all floor coverings. Entirely without compromise.

### PROSECURE*fibretec* 2.0 guarantees

- **secure composition between surface layer and substrate**
- **compensation of deforming forces and thermal stress**
- **continuous and reliable protection for all surface layers**



# Always the right decision

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## ONE FLOOR COVERING SUPPORT FOR ALL DEMANDS

### Partner in planning

PROSECURE*fibretec* 2.0 features a wide variety of application options and high quality – in dry and wet areas (except under water), inside and outside and in combination with the corresponding adhesives for all types of solid substrates. This makes PROSECURE*fibretec* 2.0 an all-purpose tool for efficient planning in living, commercial and industrial areas.

### Partner in processing

Routing without cavities: Its stable form allows you to use PROSECURE*fibretec* 2.0 to avoid unpleasant hollow sounds and provide your customers with an advantage in living comfort. Because the reinforcement and uncoupling mat from Proline reliably compensates thermal stress, you are always on the safe side for underfloor heating.



# PROSECURE *fibretec 2.0*

## YOUR ADVANTAGE IN COVERING PROTECTION



### **Bond strength: 1.2 N/mm<sup>2</sup>**

Creates an extremely strong layered composite between the substrate and covering



### **Point loading: 13.09 kN on 4 cm<sup>2</sup>**

Guides forces acting from above reliably into the substrate and prevents crack formation



### **Crack bridging: 13.8 kN**

Absorbs stress and bridges cracks up to a width of 0.5 mm



### **Bending strength: max. bend tolerance of 1.8 mm at 400,000 cycles (test setup)**

Compensates static and dynamic deformation forces in concave and convex directions

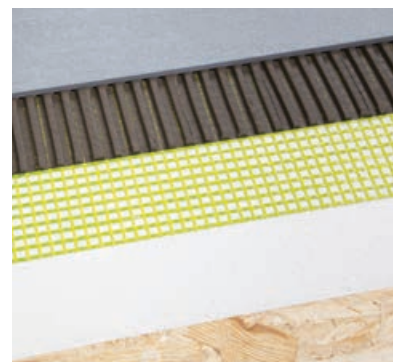


### **Material thickness: 1.5 mm**

is the ideal floor covering support for restoring old buildings thanks to the minimal installation height

### **Technical data**

- Roll width: 1 m
- Length: 10 m or 25 m
- Material: fibreglass reinforcement with fibreglass fleece underneath
- Tensile strength: > 4000 N/5 cm
- Temperature resistance: -40 °C to 80 °C



You can find detailed test reports for all tests from the accredited Materials Testing Institute on [www.proline-systems.com](http://www.proline-systems.com).



## **AN ADVANTAGE in tensile strength**



PROSECURE*fibretec* 2.0, with an average bond strength of 1.2 newtons/mm<sup>2</sup> substantially exceeds the standard value. The Proline reinforcement and decoupling mat generates an incredibly strong bond between the substrate and covering. PROSECURE*fibretec* 2.0 offers maximum strength.

# Perfect adhesion

## WHAT BELONGS TOGETHER STAYS TOGETHER

Every substrate expands and contracts. These changes in thermal length can cause large tiles to detach from the substrate or adhesive over time. PROSECURE*fibrectec* 2.0 counteracts this effect. Its unique composition allows it to achieve an excellent bond strength value that far exceeds the required standard value of  $\geq 1 \text{ N/mm}^2$ . Using PROSECURE*fibrectec* 2.0, you can create a completely secure bond between the substrate and covering.

### PROSECURE*fibrectec* 2.0

- **Much stronger hold than standard requirements**
- **On all substrates**
- **For an extremely strong composite layer**





## **AN ADVANTAGE in stability**



PROSECURE*fibretec* 2.0 reliably guides point loads of up to 13.09 kN in 4 cm<sup>2</sup> into the substrate. The area distribution of the point load prevents the floor covering from being damaged. PROSECURE*fibretec* 2.0 provides absolute stability.

# Can be subjected to loads and has pinpoint accuracy

## NO CHANCE FOR CRACKS OR BREAKS

Applying a great deal of weight to a small floor surface can have serious consequences.

Depending on the load, cracks can form in tiles or wood or the covering can break completely. Therefore PROSECURE*fibretec* 2.0 transfers forces acting from above to the substrate and prevents heavy loads from damaging the floor. Therefore PROSECURE*fibretec* 2.0 ensures safety, particularly in the commercial area.

### PROSECURE*fibretec* 2.0

- **Compensates loads**
- **Spreads forces**
- **Prevents cracks and damages in the floor covering**





## AN ADVANTAGE in versatility



You can use PROSECURE*fibretec 2.0* to cover existing cracks up to 0.5 mm width and without a height offset.

The crack bridging achieved by PROSECURE*fibretec 2.0* holds these cracks together with a force of up to 13.8 kN. This makes it a universal accessory and it is ideal to use when old structures need to be renovated.

PROSECURE*fibretec 2.0* offers complete versatility.

# Flexibility meets force

BECAUSE THE ENVIRONMENT DOES  
NOT PLAY A ROLE

Shape changes due to fluctuating temperatures can cause cracks to form in the substrate. Depending on the size, these cause static problems in the floor system that cause damage to the surface layer. Thanks to their decoupling function, PROSECURE*fibretec 2.0* reliably protects against this type of damage by counteracting crack expansions at tensile forces up to 13.8 kN. The fibreglass reinforcement absorbs stress, distributes it evenly over the mesh, preventing crack formation in the surface.

## PROSECURE*fibretec 2.0*

- **Bridges cracks in the substrate**
- **Absorbs and dissipates loads**
- **Ideal for floor heating**





## **AN ADVANTAGE in strength**



PROSECURE*fibretec* 2.0 helps the floor covering withstand continuous and dynamic loads. Its enormous flexural strength of 1.8 mm at 400,000 cycles in the test setup makes it the best practical choice, especially for use on critical substrates. It provides 40% more protection against concave and convex deformations than competitors' products. PROSECURE*fibretec* 2.0 offers complete strength.

# Bending without breaking

## NO TIME FOR WEAKNESS

In buildings built in the 1950s or earlier, wood beam systems are typical forms of floor construction that you will frequently find in the restoration, renovation and modernisation area. If you lay tiles or natural stone over these kind of floors, the coverings are subject to concave and convex deformation forces. To avoid damage, PROSECURE*fibretec* 2.0 is particularly rigid after processing. It compensates marginal movements and increases the durability of the surface.

### PROSECURE*fibretec* 2.0

- **Compensates static and dynamic deformation forces in concave and convex directions**
- **Works excellently throughout remodeling, renovation and modernisation**





## AN ADVANTAGE in efficiency



PROSECURE*fibretec* 2.0 with a material thickness of just 1.5 mm is the thinnest reinforcement and uncoupling mat. Its lightweight and convenient shape enables effective processing. Thanks to the open structure of PROSECURE*fibretec* 2.0 which enables 100% diffusion of steam, the screed adhesive can dry extremely quickly. PROSECURE*fibretec* 2.0 offers complete efficiency.

# Flat structure, maximum efficiency

## THE RIGHT WAY TO SAVE

Thanks to its low material thickness of only 1.5 mm, PROSECURE*fibretec* 2.0 is easy to transport and convenient to work with. The low installation height allows for processing with only a minimal additional layer – and makes the reinforcement and uncoupling mat an ideal companion in refurbishing old buildings as well as in new buildings. Here, aesthetic demands on surfaces with a minimum field of movement can be implemented.

### PROSECURE*fibretec* 2.0

- Reduces material costs and work time
- Brings only a small amount of water into the structure
- Lowest material thickness



# Partner in Service

## WELL-ADVISED – ALWAYS AND EVERYWHERE

### Service with the personal touch

In your search for guidance and resources, you are in the best hands at Proline. You can get an overview of our products on the product data sheets that you can request by phone or download on the Internet. There you can also receive installation tips and recommended accessories. We place great emphasis on the skill and quality of our trading partners. Therefore your professional supplier is also happy to help with technical questions and product questions.

### On-site experts

The technology specialists from Proline have extensive product expertise that they can use to help you along. We can provide you with building-specific consultation on-site including project management with a direct contact person. If you have questions, we are of course happy to help via our technical service hotline.

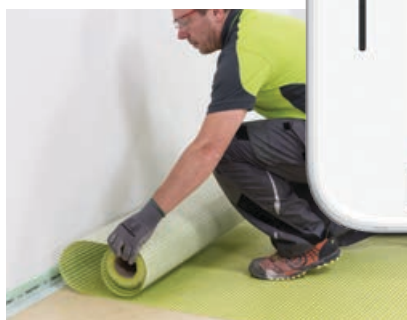
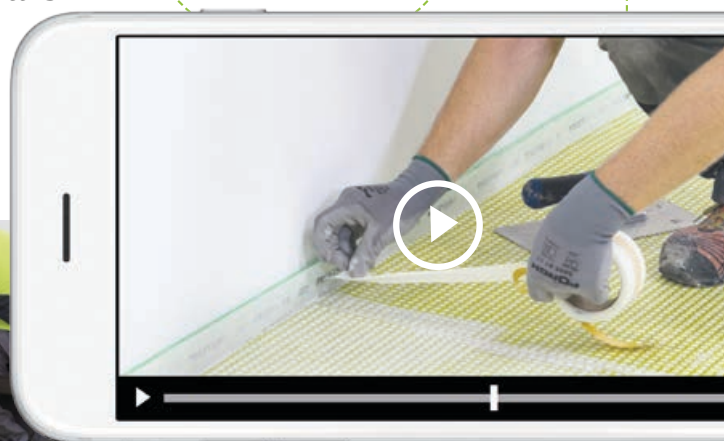
Our service is personal:  
At [www.proline-systems.de](http://www.proline-systems.de),  
you can find the right contact  
for any specialist area. For  
general questions, contact  
our central switchboard  
+49 (0) 6742 / 80 16 0.





## **PROSECURE*fibretec* 2.0:** **The application video for professionals**

Our application video takes you step-by-step to the perfect installation. You can use the QR code shown to view the video clip directly on your smartphone.



Among other tasks, the application film demonstrates how to prepare various substrates (OSB, linoleum, dry screed and screed floors) for PROSECURE*fibretec* 2.0.

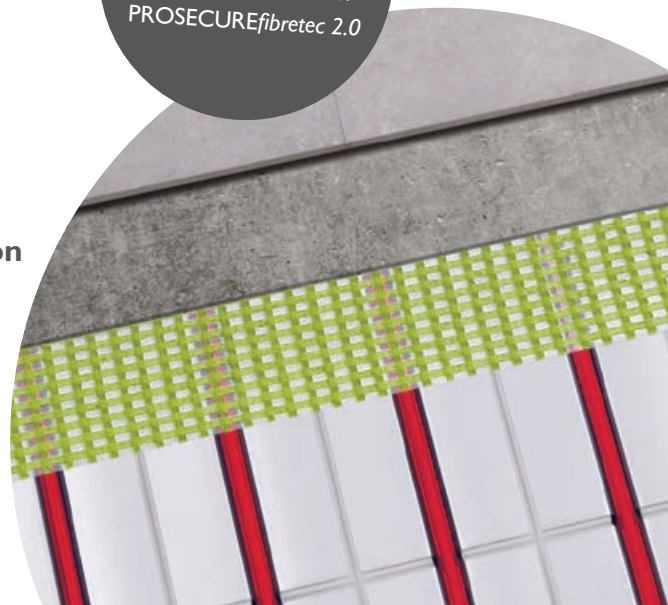


## The future of modern construction

Underfloor heating and cooling systems in dry-wall construction

- > **Ideal for all floor coverings with excellent heat flow due to natural stone floors and ceramic tiles**
- > **Minimum installation height starting at 32 mm**
- > **High comfort of living thanks to areal heat distribution and short response times**
- > **Modern living room design: No optical constraints due to radiators**
- > **Fast and easy processing with short drying times**

**Luxury class living comfort**  
Reliably installed with  
**PROSECUREfibretex 2.0**



# Always there: Your practical companion

USE THE APPLICATION TABLE TO FIND  
THE PERFECT INSTALLATION RESULT

Whether on dry systems, wet systems or mixed substrates: With the PROSECURE-fibretec 2.0 reinforcement and uncoupling mat you are perfectly equipped for any substrate. To achieve a perfect result everywhere during processing, refer to the table on the following

detachable pages: Guideline values, requirements and installation tips assist you when using PROSECUREfibretec 2.0 in all locations. Thus, the floor covering stays perfectly intact for many years to come – as does the satisfaction of your customers.



Has the table in your  
brochure already been torn out?  
No problem!  
You can order a new one  
for free by calling  
**+49 (0) 67 42 / 80 16-85**



# PROSECUREfibretec application area on different

– bridges crack widths of up to 0.5 mm –

TAKE OUT HERE

## Dry systems

Insulation building materials
EPS (expanded polystyrene)
XPS (extruded polystyrene)
PUR (polyurethane high-resistance foam)
VIP (vacuum-insulation panels)
Wood fibre board
Coated, hard-foam boards (e.g. Wedi)
Wooden building materials
OSB
Particle board
Wooden floorboards
Screed elements
Gypsum fibreboards
Cement fibreboards

Substrate requirements: Clean / dry / solid / load-bearing ~ ideally based on the flatness tolerance in accordance with DIN 18202

Minimum requirements for installation substrate			
heated	unheated	readiness for covering in CM or residual moisture in %	minimum pressure strength according to STANDARD
●	●	not applicable	240 kPa
●	●	not applicable	300 kPa
●	●	not applicable	300 kPa
●	●	not applicable	300 kPa
●	●	not applicable	150 kPa
●	●	not applicable	300 kPa
●	●	< 9.0 %	> 14 N/mm <sup>2</sup>
●	●	< 9.0 %	> 14 N/mm <sup>2</sup>
●	●	< 9.0 %	> 14 N/mm <sup>2</sup>
●	●	< 0.5 %	> 7.5 N/mm <sup>2</sup>
●	●	< 2.0 %	> 15 N/mm <sup>2</sup>

PROSECUREfibretec bonding	
PROFIX dispersion fixative	cement-based adhesive
●	●
●	●
●	●
●	✗
✗	●
●	●
●	✗
●	✗
●	✗
●	●
●	●

## Wet systems

Concrete
Concrete
Screed / type
Cement
Calcium sulphate
Anhydrite
Mastic asphalt
Synthetic resin (epoxy)

●	●	< 2.0 %	> 10 N/mm <sup>2</sup>
●	●	< 2.0 %	> 12 N/mm <sup>2</sup>
●	●	< 0.5 %	> 30 N/mm <sup>2</sup>
●	●	< 0.5 %	> 30 N/mm <sup>2</sup>
●	●	not applicable	ID < 2.5 mm
●	●	not applicable	> 25 N/mm <sup>2</sup>

PROSECUREfibretec processing

●	●
●	●
●	●
●	●
●	●
●	●

## Surfaces

Tiles and paving
Ceramic tiles
Porcelain stoneware
Natural stone
Artificial stone
Cast stone
Artificial covering
Linoleum
Vinyl
PVC
Coatings
Organic coverings
Parquet
Cork
Other substrates
Cracked surfaces
Mixed substrate

●	●	not applicable	> 500 N/mm <sup>2</sup>
●	●	not applicable	> 500 N/mm <sup>2</sup>
●	●	not applicable	> 80 N/mm <sup>2</sup>
●	●	not applicable	> 80 N/mm <sup>2</sup>
●	●	not applicable	> 80 N/mm <sup>2</sup>
●	●	not applicable	IM < 0.2 mm
●	●	not applicable	Brinell > 75 N/mm <sup>2</sup>
●	●	not applicable	Brinell > 75 N/mm <sup>2</sup>
●	●	not applicable	> 25 N/mm <sup>2</sup>
●	●	< 9.0 %	Brinell > 23 N/mm <sup>2</sup>
●	●	not applicable	IM 0.2 mm/4 mm
	CB > 0.5 mm	on request	
●	●	on request	

●	●
●	●
●	●
●	●
●	●
●	✗
●	✗
●	✗
●	●
●	✗
●	✗
●	●
●	●

PROLINE

The following surface layers are approved for use on substrates with PROSECURE/bretec: Tile / natural stone / boards / wood / parquet.

Spatula levelling with a thickness of at least 6 mm

Spatula levelling with a thickness of at least 6 mm

## Dry systems

## Wet systems

## Surfaces

# PROSECURE*fibretec 2.0*

## Specifications:

Installation height when bonded	approx. 2 – 4 mm (depending on adhesive)
Highest tensile strength	> 4000 N/5cm DIN 53857 T I
Highest tensile strength expansion	< 5 % DIN 53857 T I
Load capability	up to 30 kN/m <sup>2</sup>
Alkaline protection	Copolymer, solvent-free

## Storage and transportation:

Rolls and mat sections should be stored and transported upright, if possible, in a cool and dry place protected against sunlight and contamination.

## Environmental protection and disposal:

Containers and surplus materials must be disposed of in accordance with legislative regulations and regional by-laws..

## Preparation/assessment of substrate:

- The substrate must be clean, dry and free of any substances that diminish the bonding effect
- Existing cracks greater than 0.5 mm must be sealed in advance by non-positive means and an adhesive strength of > 0.3 N/mm<sup>2</sup> must be assured on the surface.
- Cracks narrower than 0.5 mm can be laid over directly, provided lasting assurance can be provided that neither height offset at the sides of the crack can form nor cracks can spread excessively.

## Important information:

- The smallest tile format must not be below 5 x 5 cm.
- Multi-layered parquet should be no thinner than 14 mm.
- On underfloor heating, solid parquet boards should be no longer than 120 cm and no thinner than 21 mm.

The product contains glass fibre. Contact with the skin can cause itchiness. In the event of itchiness, clean with cold water. If PROSECUREfibretec is to be handled over a long period of time, we recommend the use of latex gloves.

## The application video for professionals

Our application video takes you step-by-step to the perfect installation. You can use the QR code shown to view the video clip directly on your smartphone.

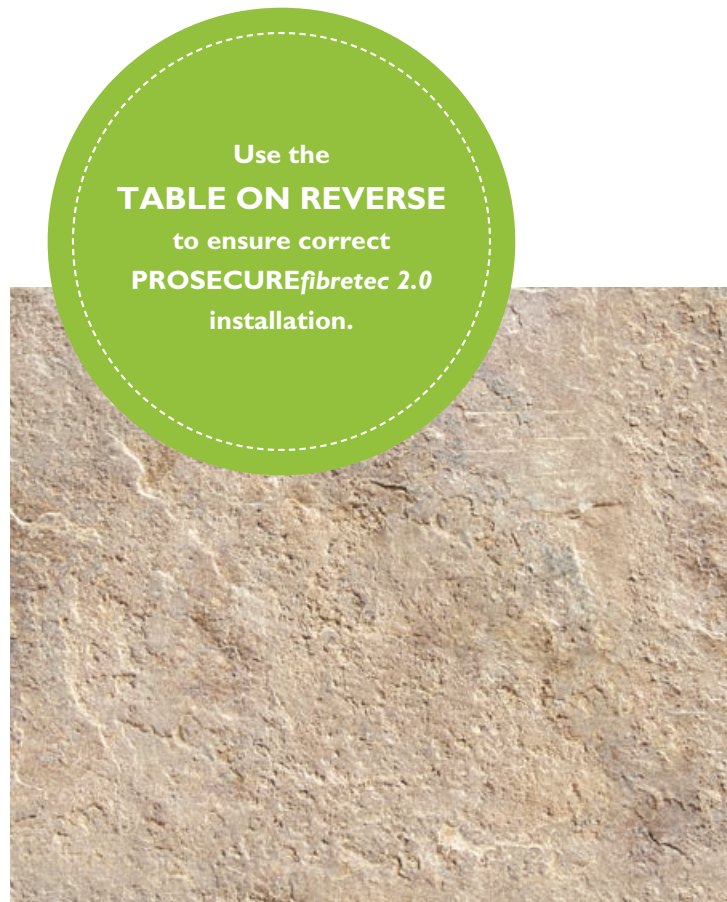


**You can find more information about the technical data, substrate preparation and PROSECUREfibretec 2.0 installation on product data sheet 570. The data sheet is available for download from [www.proline-systems.com](http://www.proline-systems.com).**

## PROSECURE *fibretec 2.0*

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APPLICATION ON A VARIETY OF SUBSTRATES



Use the  
**TABLE ON REVERSE**  
to ensure correct  
**PROSECURE *fibretec 2.0***  
installation.

## **Proline Systems GmbH**

Kratzenburger Landstraße 11-15  
Industriegebiet Hellerwald  
56154 Boppard – Germany

Phone +49 67 42 / 80 16-0  
Fax +49 67 42 / 80 16-40

E-Mail [info@proline-systems.com](mailto:info@proline-systems.com)  
Internet [www.proline-systems.com](http://www.proline-systems.com)

