

KNAUF

Floor Systems

F19_MA.de

Assembly Guide

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Knauf GIFAfloor PRESTO Assembly Guide

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Application notes

Notes on the assembly guide

The installation instructions are intended as an aid for the installation of prefabricated products. It contains specifications on the scope of delivery, proper professional installation as well as test and adjustment of the product when necessary. The contained information and specifications, constructions, details and stated products are based, unless otherwise stated, on the certificates of usability (e.g. National Technical Test Certificate (abP) and/or German National Technical Approvals (abZ)) valid at the date they are published as well as on the applicable standards.

References to pages in the document

Info Indicates on which page in the document further information about the assembly can be found.

Legal notes

Safety instructions

This installation guide contains instructions that must be observed to ensure your personal safety and to avoid material damage.

Attention Designates a potentially harmful situation. Failure to avoid this situation may result in a risk to the safety of the installer or user, or property damage to the product or the environment.

Note Provides useful tips on the product or system.

Qualified personnel

The respective tasks for the product described in these instructions may only be performed by suitably qualified personnel. The safety and warning instructions must be observed and followed. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with this product.


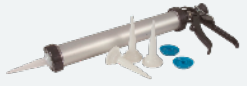
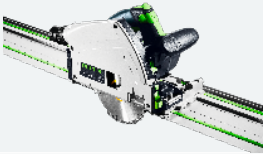

Intended use

Attention Knauf products / systems may only be used for the application cases as stated in the Knauf documentation. In case third-party products or components are used, they must be recommended or approved by Knauf. Flawless application of products/systems assumes proper transport, storage, assembly, installation and maintenance.

System components

Description	Material	Material number	Packaging unit	Note
	GIFAfloor PRESTO 18	581776	25 Pcs/Pal	Load-enhancing panel as a second layer 18.00 m ² /Pal
	GIFAfloor PRESTO 25	789547	25 Pcs/Pal	18.00 m ² /Pal
	GIFAfloor PRESTO 32	584728	25 Pcs/Pal	
	GIFAfloor PRESTO 38	858886	20 Pcs/Pal	
	GIFAfloor Accessories Box	801368	1 Box	
	GIFAbond duo EC 1	741704	15 kg Bucket	1 bucket for approx. 21 m ² For two-layer systems, use GIFAbond duo EC 1 for surface bonding and GIFAbond uno EC 1 for tongue-and-groove bonding of the second layer.

Tools

Description	Material	Material number	Packaging unit	Note
	GIFAtool Diamond	186326	Piece	Service life approx. 500 m ²
	Knauf adhesive gun	4657	Piece	For applying GIFAbond uno EC 1 in tongue and groove.
–	Vacuum suction lifter	99203	Piece	–
	Hand-held circular saw with rail	–	–	–
	Vacuum cleaner	–	–	–
–	Rotary laser or levelling device	–	–	–
–	Scraper	–	–	–
–	Stapler	–	–	–
–	Pendulum jigsaw	–	–	–
–	Angle	–	–	–
–	Folding rule	–	–	–
–	Wooden wedges	–	–	–
–	Pneumatic nailer	–	–	Only required for two-layer flooring systems
–	TKB B3 notched trowel	–	–	–

Substructure

Bild 1: Example: Levelling a wooden beam ceiling.

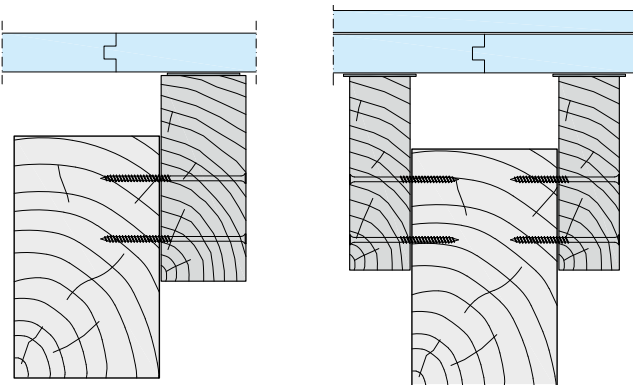
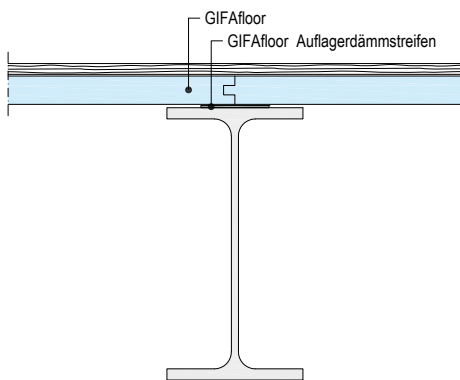


Bild 2: Example: Steel construction.

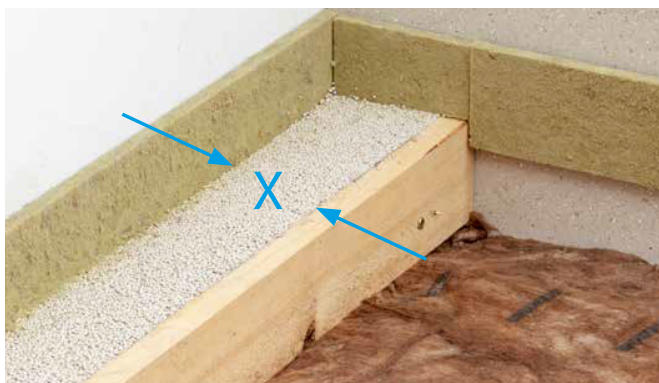


Attention A width of ≥ 40 mm is required for supports arranged on one side, and ≥ 30 mm for supports arranged on both sides (e.g. backbeams).

Attention The supporting structure must have the minimum load-bearing capacity required for the intended use. The structural analysis must be provided by the customer. The deflection should be $\leq L/500$ at maximum load capacity.

Check substructure

Bild 3: Bearing distance on the wall.



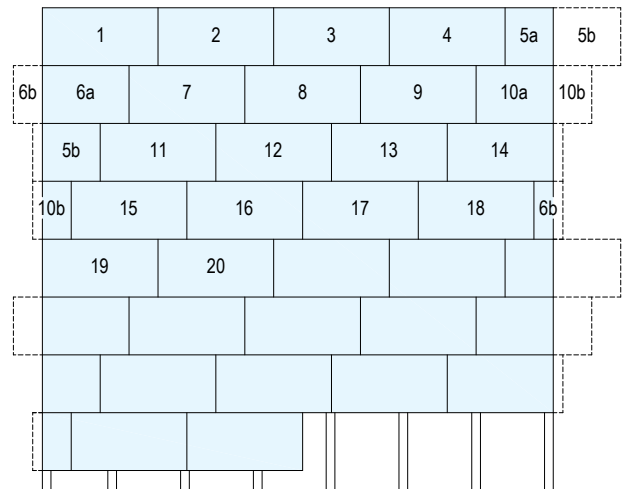
Note The elements must not protrude more than 30 mm beyond the last bearing on the wall. Stabilise the supporting structure with an additional layer, such as bound fill (e.g. EPO Leicht).

Measure the room and create a laying plan

Bild 4: Check perpendicularity.



Bild 5: Create a laying plan.



Attention The offset of the joints must be ≥ 300 mm. The formation of cross joints is not permitted. Multiple flying joints in succession in the same beam field are also not permitted.

Install GIFAfloor edge insulation strip MW

Bild 6: Secure GIFAfloor edge insulation strips with staples or Knauf Uniflott.



Note

Pay attention to the position of the staples. Fasten staples below the hollow floor elements to prevent sound bridges. Assembly of GIFAfloor edge insulation strip MW is optional with Knauf Uniflott.

Fix GIFAfloor support insulation strip

Bild 7: Fix GIFAfloor support insulation strip to the line-bearing.



Installation of first GIFAfloor PRESTO element

Bild 8: Cutting the wall connection element using a hand-held circular saw and GIFAtool Diamond saw blade.



Bild 9: Install the cut-to-size GIFAfloor PRESTO floor element in the wall connection area.



Note

The tongue must be removed from the panels at the edge area.

Installation of further GIFAfloor PRESTO elements

Bild 10: Measurement of the wall connection elements, e.g. with a plumb line.



Bild 11: Cutting the wall connection element using a hand-held circular saw and GIFAtool Diamond saw blade.



Bild 12: Bonding of tongue and groove connection.



Note

Remove any sawdust or other foreign objects from the groove beforehand, if necessary.

Bild 13: Press fit GIFAfloor PRESTO elements.



Note

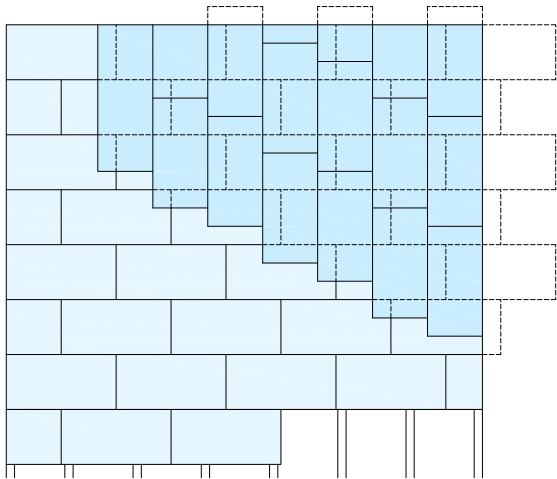
Leaking adhesive indicates sufficient quantity. Sustained pressure works better than repeated impacts, e.g. with a hammer.

Bild 14: Remove any leaked adhesive the following day.



Optional: Laying of second layer GIFAfloor PRESTO

Bild 15: Create a laying plan.



Note The second layer is laid rotated by 90 degrees. The front edges of the lower layer are staggered, with a joint offset of at least 20 cm in the second layer.

Area bonding of second layer GIFAfloor PRESTO

Bild 16: Spread GIFAbond duo EC 1 using a notched trowel.



Note Distribution of surface adhesive using a medium-sized notched trowel TKB B3

Bild 17: Laying GIFAfloor PRESTO elements in adhesive bed.



Bonding tongue and groove joints with GIFAbond uno EC 1

Bild 18: Application of adhesive to lower groove face.



Bild 19: Application of adhesive to top of tongue.



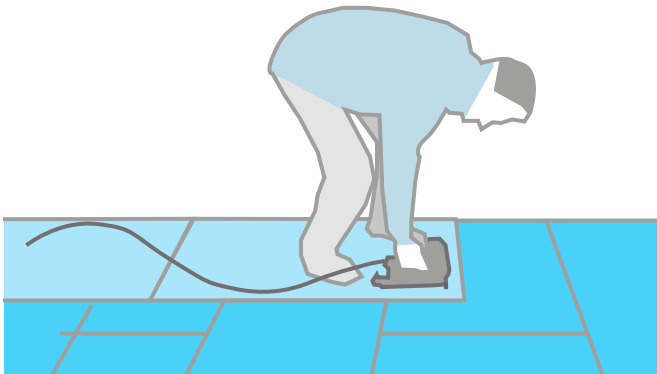
Bild 20: Press fit GIFAfloor PRESTO elements.



Note Leaking adhesive indicates sufficient quantity.

Fixing of second layer GIFAfloor PRESTO

Bild 21: Nailing with a pneumatic/pulse nailer standing on the element to be fastened.



Note

Fastening tool Pneumatic nailer: e.g. Paslode FN 1665.1 blind nail gun (operating pressure: 8.0 bar); nails e.g.: Paslode F16x29 mm or Haubold SKN 16/30 C NK or SKN 16/25 C NK Gas-powered nailer: e.g. ITW impulse nailer IM65F 16 Bpack 19-64 mm; nails e.g. pack F16-25 mm (fuel cells + galvanised brads)

Note

If the second layer is installed as a structurally effective layer, it is essential to bond it over the entire surface and along the edge profile in accordance with our installation guidelines during installation and processing, and to clamp/screw it to the entire surface.

Note

If the second layer is installed exclusively for the purpose of accommodating underfloor heating (not structurally effective) and is milled in on site, it is sufficient to clamp/screw the second layer only at the edges.

Bild 22: Fixation using a pneumatic nailer in the edge area.

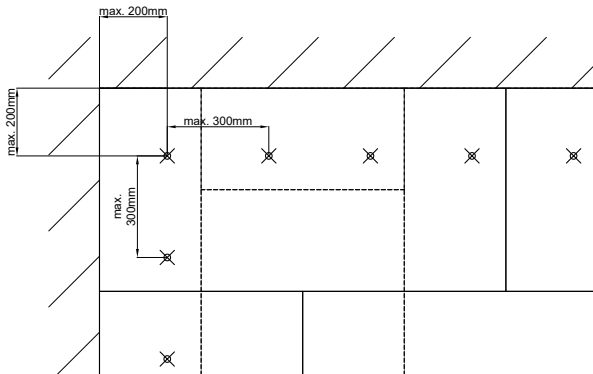


Bild 23: Remove any leaked adhesive the following day.



References to further documents

- [F19_DSS.de](#) Knauf GIFAfloor PRESTO
- [K4307_DSP.de](#) GIFAfloor Edge Insulation Strip MW
- [K8408_DSP.de](#) GIFAfloor PRESTO panels
- [K8420_DSP.de](#) GIFAbond blue
- [K8421_DSP.de](#) GIFAbond uno EC 1
- [K8422_DSP.de](#) GIFAbond duo EC 1

Note

Use GIFAbond blue exclusively for the application of GIFAfloor PRESTO as a precast screed, not as a self-supporting system.



Scan the QR code to access the official video tutorial on YouTube.

- [Link to the official video tutorial on YouTube](#)

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Videos for Knauf systems and products can be found under the following link:
youtube.com/knauf



Find the right system for your requirements!
knauf.de/systemfinder



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