

NORIT

Modular Construction.

Fast. Lightweight. Predictable.

Efficient floor build-ups for
serial production

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Modular Construction Requires a System.

Modular construction is fundamentally changing planning, manufacturing and assembly: work steps are standardised and processes are more tightly scheduled. The floor build-up must integrate seamlessly into this overall process.

NORIT combines levelling compound, dry screed and underfloor heating in one coordinated system-developed to meet the requirements of industrial prefabrication.

DRY.
No additional construction moisture introduced into the building process.

LIGHTWEIGHT.
Low weight per unit area can help optimise structural design, transport and assembly.

FAST.
Ready for the next layer, typically within 24 hours after pouring, or immediately with dry screed.

PREDICTABLE.
Coordinated system components provide a reliable base for repeatable processes.



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Modular Construction with NORIT



In modular construction, it is not just the individual product that matters. What makes the difference is how the individual work steps fit together.

That is why NORIT combines individual components into coordinated floor solutions – from substrate preparation to the finished surface.

What NORIT Delivers for Modular Construction



Integrated Systems Instead of Standalone Solutions
Dry screed and underfloor heating can be combined to create coordinated floor build-ups.

Dry Construction Instead of Waiting
Dry construction methods reduce additional moisture input and allow work to continue quickly.

Lightweight Instead of Unnecessarily Heavy
Dry screed systems offer low weight, providing potential advantages for transport and structural design.



Repeatable Instead of Starting from Scratch Every Time
Standardised system build-ups provide a base for recurring manufacturing processes.

Predictable Instead of Interface Challenges
NORIT provides support with product selection, planning and technical issues.

Our Commitment

Stable processes. Predictable workflows. Consistent quality.

The Challenges of Modular Construction

Every additional work step affects the overall process.

Modular construction projects demand a high degree of precision and speed. Floor build-ups must therefore not only deliver reliable technical performance but also integrate into standardised manufacturing, transport and assembly processes.

In modular construction, every minute counts in the production cycle. This is precisely where conventional wet construction methods reach their limits:

- Drying times delay subsequent work and can disrupt the production schedule.
- Additional moisture complicates sensitive construction processes.
- High weight affects transport and structural design.
- Multiple trades increase coordination requirements.
- Poorly coordinated interfaces make repeatable processes more difficult.

The Solution: Dry Floor Build-Ups from NORIT

With coordinated system components for levelling compound, dry screed and underfloor heating, NORIT offers solutions for the diverse requirements of modular construction.

Benefits at a Glance

What matters when individual modules need to become part of an efficient construction process.

Fast Installation

Push-fit and click systems allow installation without screws or clips – ideal for the pace of serial production.

Ready for the Next Layer Within 24 Hours

After pouring with the NORIT-Levelling compound, the surface is generally ready to receive the next layer within 24 hours. The drying times of several weeks associated with conventional screeds are eliminated. Alternatively, NORIT-Dry screed allows subsequent work to begin immediately.

Low Weight

Starting at just 7.9 kg per U-element (NORIT-TE 20 Therm GF), the system is significantly lighter than conventional wet screed build-ups – a tangible advantage for transport and lifting equipment in modular manufacturing facilities.

Low Build-Up Heights

Starting at just 23 mm system thickness, including underfloor heating, or 15 mm with dry screed.

Integrated Underfloor Heating

Load-distributing layer and heating system in a single component – one less work step in the manufacturing process.

Repeatable Workflows

Standardised system build-ups with fixed panel sizes (600 × 600 mm or 1,200 × 600 mm) enable consistent, reproducible installation across production runs.

NORIT Products for Modular Construction

The right solution for every stage of the floor build-up.

NORIT offers coordinated components for dry floor build-ups in modular construction. Depending on the construction, build-up height, load requirements and heating and cooling needs, different systems can be combined.

NORIT-Dry Screed

Distribute loads. Keep work moving.

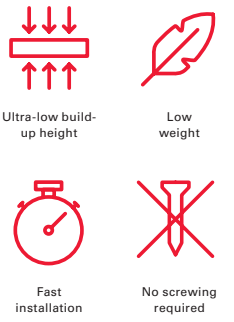
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NORIT-TE 15



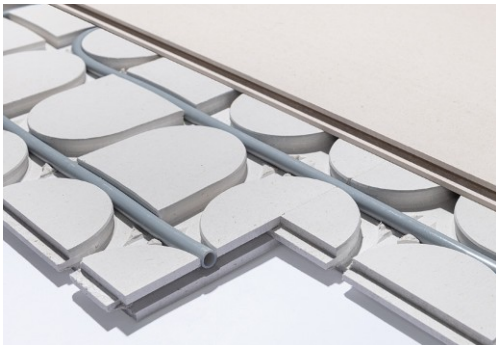
NORIT-TE 20/25



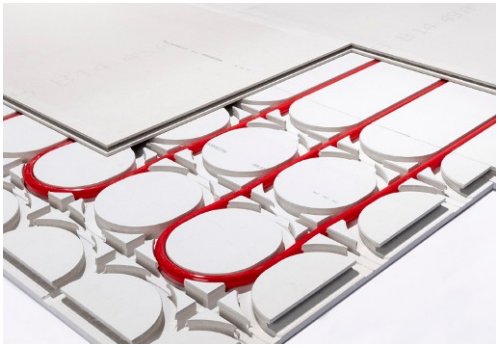
NORIT-ReTro

Circular solutions. Designed for circularity.

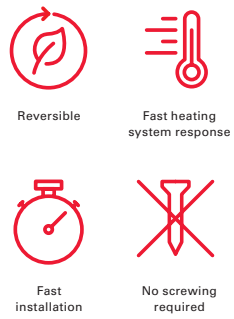
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NORIT-ReTro 35 Therm



NORIT-ReTro 40 Therm



NORIT-Underfloor Heating

Heating and cooling. Dry installation.

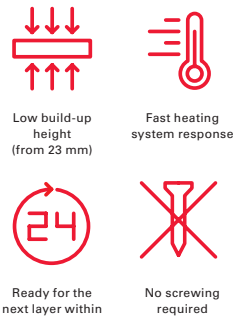
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NORIT-TE 20 Therm GF



NORIT-TE 25 Therm GF





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NORIT-TE 15

Slim. Fast. Push-fit connection.

With its push-fit system, NORIT-Dry screed enables simple and fast installation. Thanks to NORIT-TE adhesive, no additional screwing or clipping is required. The resulting surface serves as a load-distributing layer for all common floor finishes.

The system delivers fast, reliable installation and provides the foundation for durable, high-quality floor build-ups – combining efficiency, precision and cost-effectiveness.

Benefits at a Glance

- Simple and fast installation thanks to the **push-fit system**
- Extremely high dimensional accuracy
- **No additional screwing or clipping required**
- Suitable for wet rooms (water exposure classes W0-I and W1-I)
- Panel thickness: **only 15 mm**
- System weight: approx. **19.6 kg/m²**
- Panel coverage dimensions: 1,200 × 600 mm



Ultra-low build-up height | Low weight | Fast installation | No screwing required





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NORIT-TE 20/25

Fast. Load-bearing. Versatile.

Made from gypsum fibre, NORIT-Dry screed with its click system offers a particularly stable, load-bearing construction thanks to its increased panel thickness of 20 or 25 mm, meeting even more demanding requirements in residential and commercial buildings. At the same time, the precision-engineered connection system ensures a precise fit between the elements and reliable installation. The result is a robust, durable floor build-up that performs equally well in new builds and renovation projects, providing a reliable foundation for a wide range of uses.

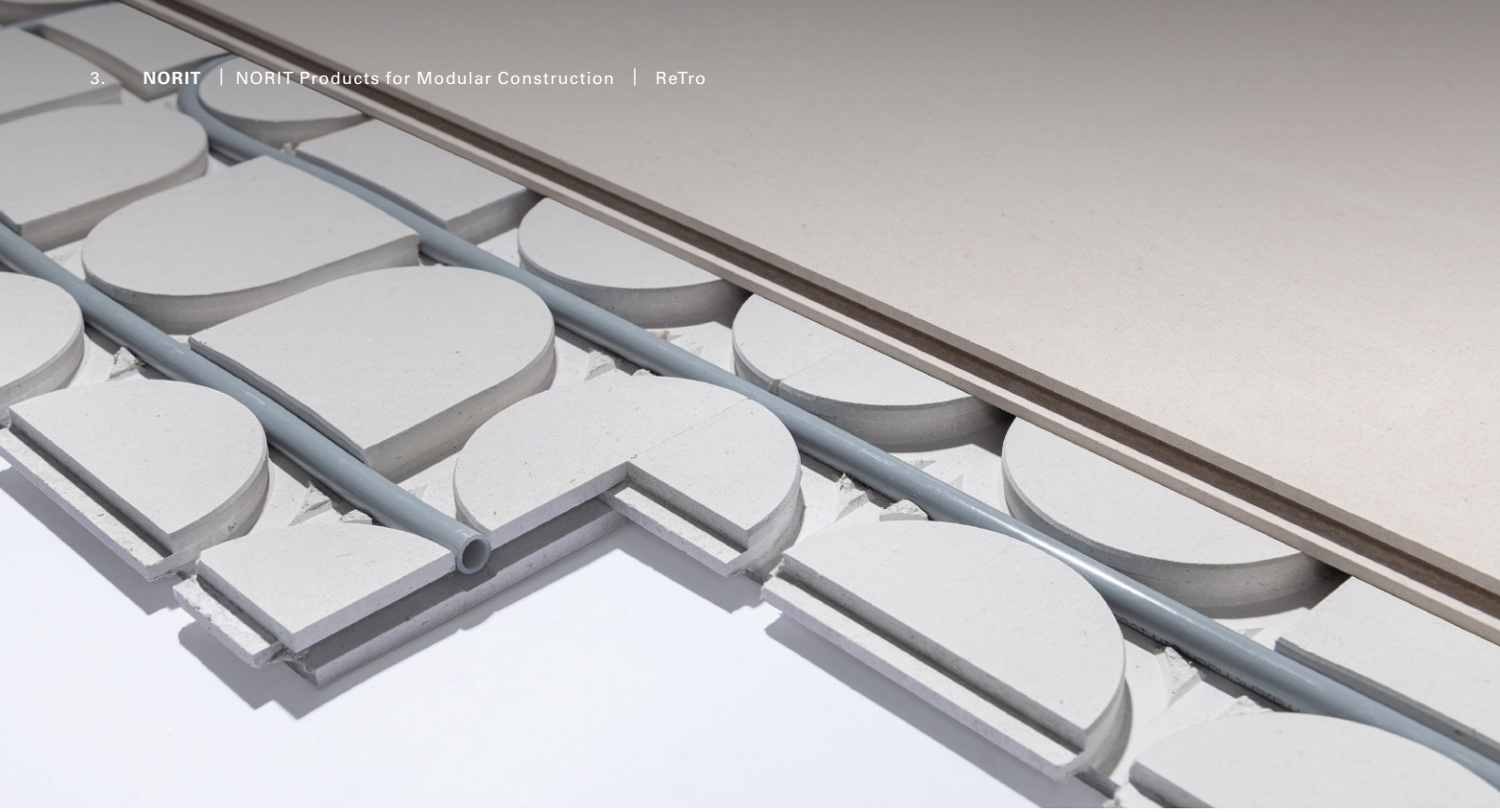
Benefits at a Glance

- Simple and fast installation thanks to the **click system**
- Extremely high dimensional accuracy
- **No additional screwing or clipping required**
- Suitable for wet rooms (water exposure classes W0-I and W1-I)
- Panel thickness: **only 20 or 25 mm**
- System weight: approx. **26.0 kg/m² (TE 20) and approx. 32.5 kg/m² (TE 25)**
- Panel coverage dimensions: 1,200 × 600 mm





Ultra-low build-up height | Low weight | Fast installation | No screwing required



NORIT-ReTro 35 Therm

Slimline Underfloor Heating for Efficient Modular Construction.

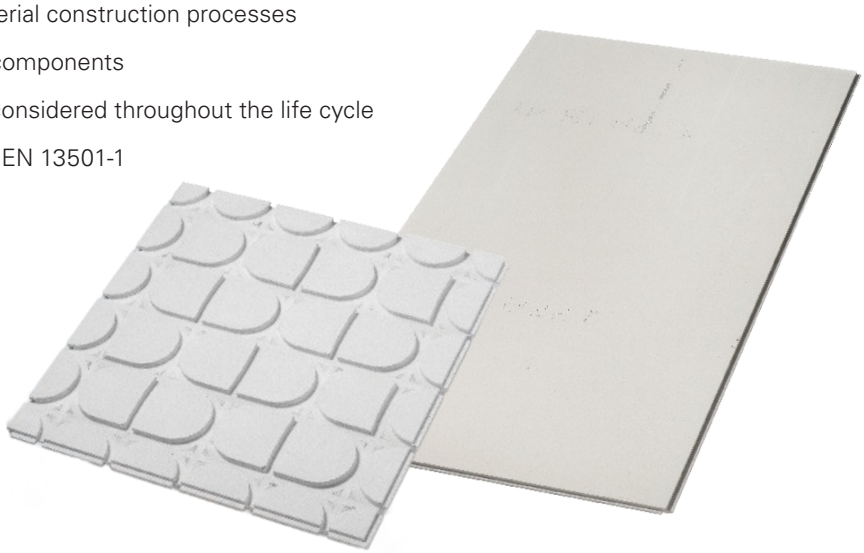
Reversible | Fast heating system response | Fast installation | No screwing required

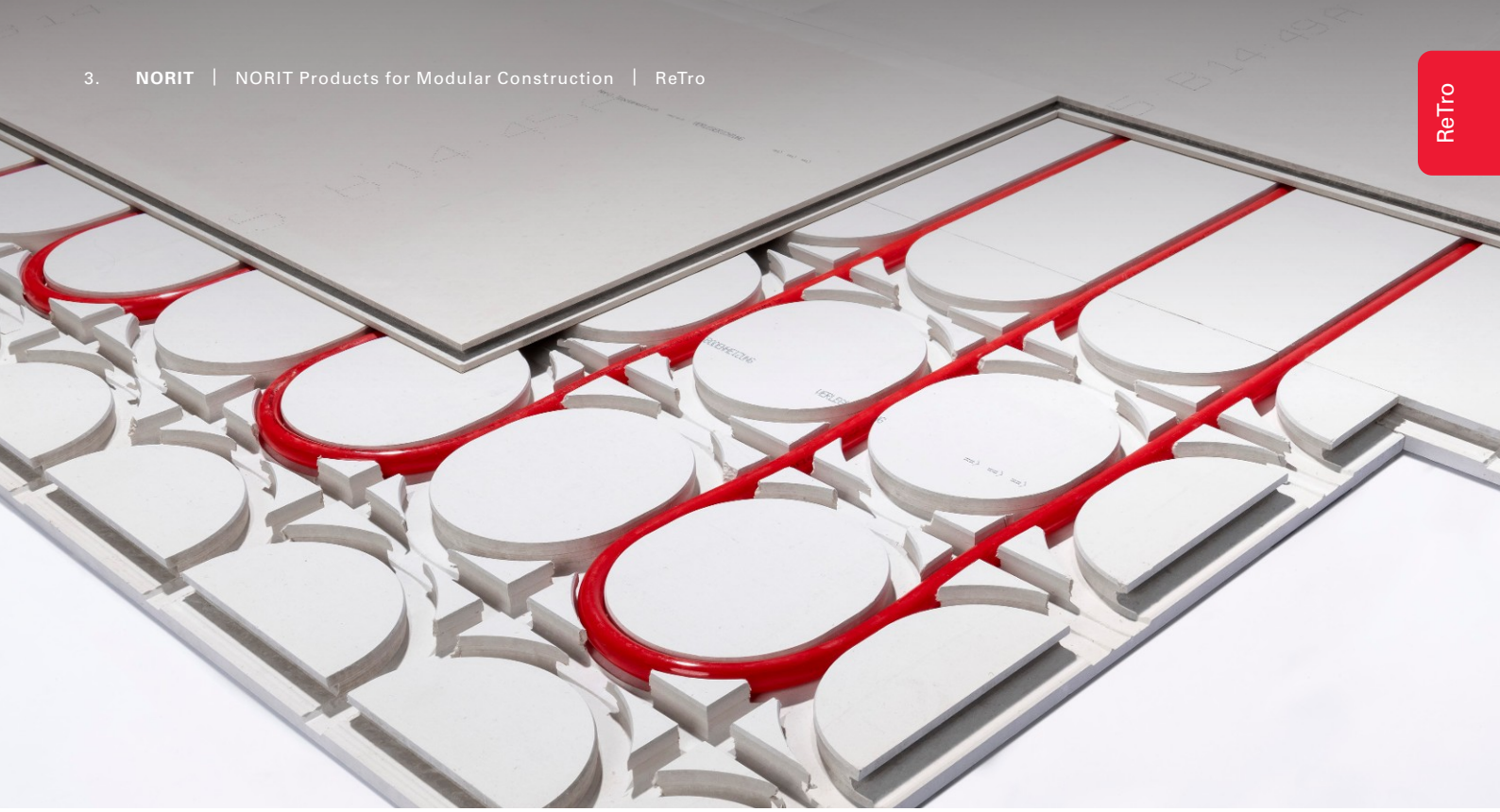
With a system thickness of only 35 mm, NORIT-ReTro 35 Therm integrates comfortable underfloor heating into the floor build-up while minimising space requirements.
The system consists of NORIT-TE 20 Therm GF, NORIT-Heating tube and NORIT-TE 15. It is particularly suitable for modular and serial construction, where low build-up heights, defined system configurations and fast installation are essential.

The dry construction method allows installation without introducing additional moisture, supporting efficient construction workflows. At the same time, the system combines gypsum fibre with a resource-conscious material concept and a circular approach that considers the entire life cycle of the materials used.

Benefits at a Glance

- Only 35 mm system thickness – particularly space-saving in modular construction
- Low system weight – approx. 46.0 kg/m²
- **Dry construction** – no additional moisture introduced
- Fast, system-compatible installation – ideal for serial construction processes
- Predictable system configuration – coordinated components
- **Circular approach** – materials and dismantling considered throughout the life cycle
- Reaction to fire class A1 in accordance with DIN EN 13501-1





NORIT-ReTro 40 Therm

Install. Use. Dismantle. Reuse.

Reversible

Fast heating system response

Fast installation

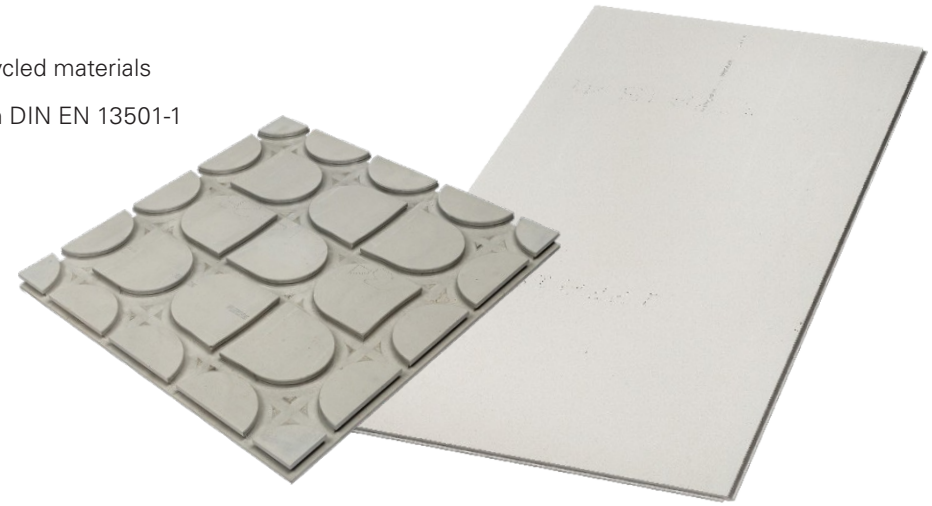
No screwing required

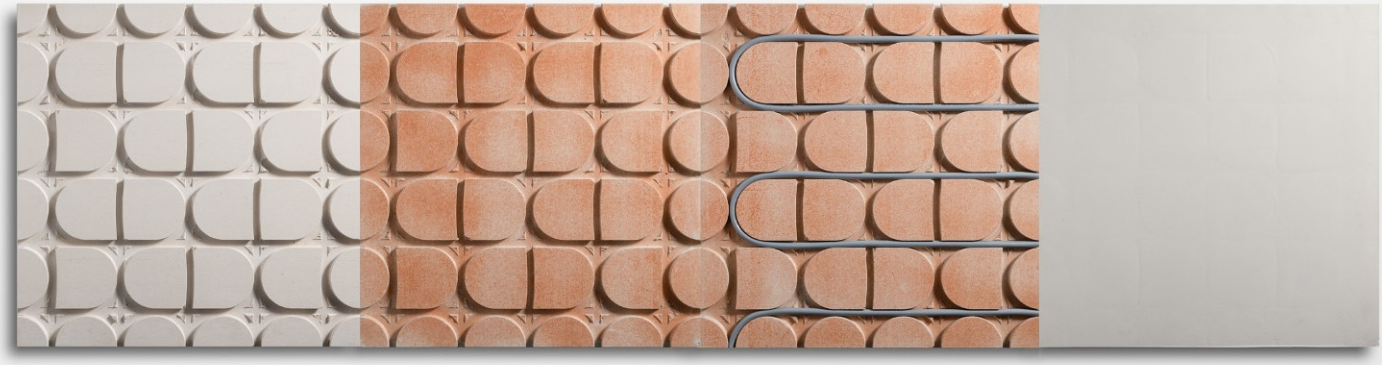
NORIT-ReTro 40 Therm combines the 25 mm thick NORIT-TE 25 Therm GF with NORIT heating pipe and the 15 mm thick NORIT-TE 15 cover panel. With a slim 40 mm dry floor build-up, the system enables efficient integration of underfloor heating into modular and serial construction concepts.

Dry, system-compatible installation supports predictable workflows and fast assembly. At the same time, the system stands for resource-conscious material use and a circular approach.

Benefits at a Glance

- Just 40 mm system thickness – compact floor build-up
- 25 mm NORIT-TE 25 Therm GF with integrated pipe grooves
- **Dry installation** – no additional moisture introduced
- Predictable, repeatable workflows – ideal for modular construction and serial production
- System weight: approx. 57.0 kg/m²
- **Resource-efficient** through the use of recycled materials
- Reaction to fire class A1 in accordance with DIN EN 13501-1
- Circular material concept





Ready for the next layer within 24 hours

No screwing required

Low build-up height (from 23 mm)

Fast heating system response

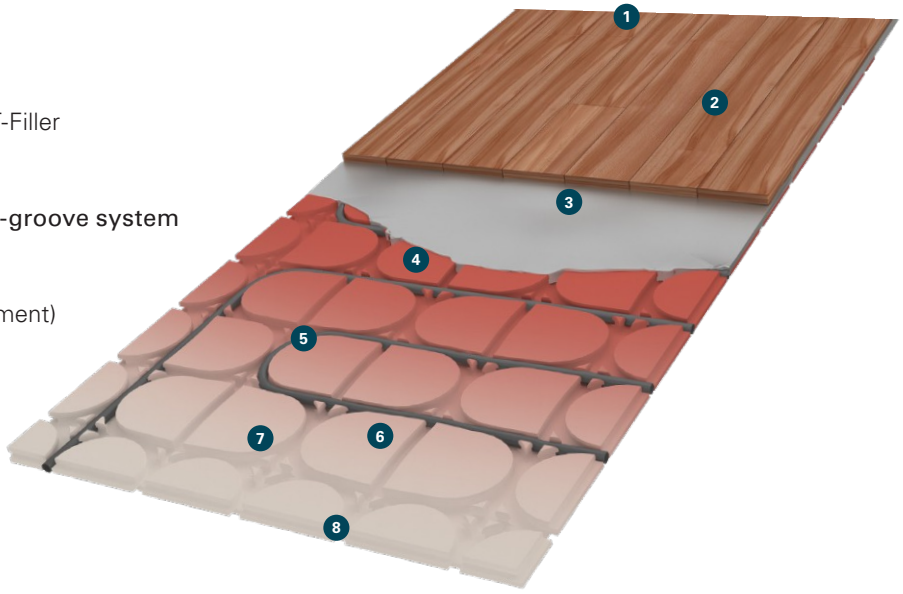
NORIT-TE 20 Therm GF

Slim. Fast. Powerful Heating Performance.

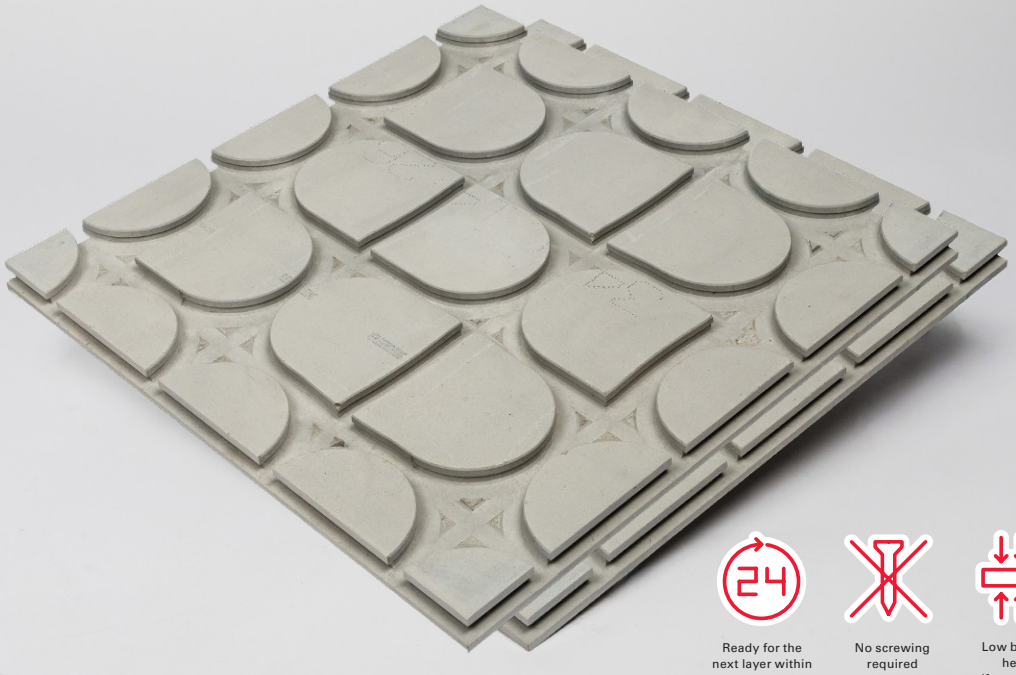
NORIT underfloor heating systems made from gypsum fibre combine dry screed and underfloor heating in one integrated solution. The heating tubes can be laid flexibly within the load-distributing screed layer. After priming, the NORIT-Filler is applied to the surface, creating a level finish that can be walked on after a short time. The result is an underfloor heating system with a minimum build-up height of just 23 mm. NORIT underfloor heating systems deliver high heating output at low flow temperatures.

Benefits at a Glance

- **Minimum build-up height of 23 mm**
- Load-distributing layer combined with the NORIT-Filler
- Integrated *fix*-guidance system
- Fast, clean installation thanks to the **tongue-and-groove system**
- No additional cover panel or screwing required
- Convenient panel format (600 × 600 mm / U-element)
- **12 mm heating tube, 120 mm grid spacing**
- Ultra-lightweight system, weighing just approx. **34.0 kg/m² (U-element)**



1. NORIT-Edge insulation strips
2. Floor covering
3. NORIT-Filler Universal
4. NORIT-Primer
5. NORIT-Heating Tube 12 mm
6. NORIT-TE 20 Therm GF-U-Element
7. *fix*-guidance system for tube accommodation
8. peripheral tongue-and-groove-system



Ready for the next layer within 24 hours

No screwing required

Low build-up height (from 23 mm)

Fast heating system response

NORIT-TE 25 Therm GF

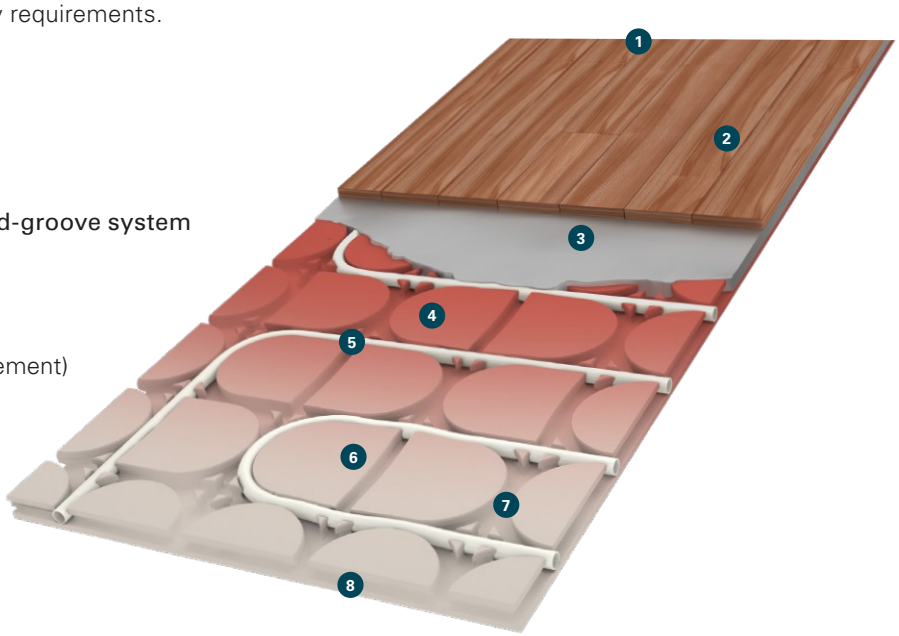
Low Build-Up Height. High Heating Output.

NORIT-TE 25 Therm GF combines load distribution, heat transfer and surface levelling in one system. The 25 mm thick gypsum fibre panel features an integrated fix-guidance system for 16 × 2.0 mm heating tubes installed at 150 mm grids. Combined with the NORIT-Filler Universal, it creates a load-bearing layer and a level surface ready to receive the floor finish.

The result is a high-performance system solution that saves time, enables fast installation and allows surfaces to be used sooner. Optimised heat distribution ensures high comfort and energy efficiency – ideal for modern construction projects with demanding sustainability and cost-efficiency requirements.

Benefits at a Glance

- **Minimum build-up height of 28 mm**
- Fast, clean installation thanks to the **tongue-and-groove system**
- Integrated *fix*-guidance system
- No additional cover panel or screwing required
- Convenient panel format (600 × 600 mm / U-element)
- **16 mm heating tube,** 150 mm grid spacing
- geringes lightweight system, weighing just approx. **39,0 kg /m² (U-element)**



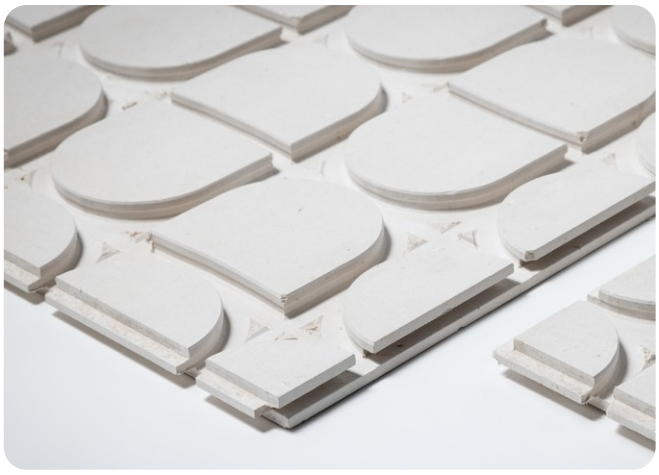
1. NORIT-Edge insulation strips
2. Floor covering
3. NORIT-Filler Universal
4. NORIT-Primer
5. NORIT-Heating Tube 16 mm
6. NORIT-TE 25 Therm GF-U-Element
7. *fix*-guidance system for tube accommodation
8. peripheral tongue-and-groove-system

NORIT-TE 20 Therm GF vs. NORIT-TE 25 Therm GF

Two systems. Different requirements.

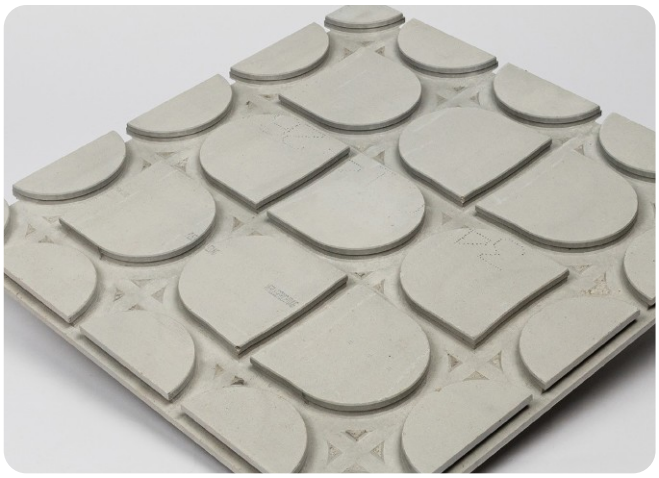
Property	NORIT-TE 20 Therm GF	NORIT-TE 25 Therm GF
Installation height	23 mm (20 mm board, 3mm filler)	28 mm (25 mm board, 3mm filler)
Heating tube	12 mm	16 mm
Grid spacing	120 mm	150 mm
Weight/U-element	Raw board: approx. 7,9 kg System weight: approx. 34,0 kg/m²	Raw board: approx. 8,9 kg System weight: approx. 39,0 kg/m²
Element dimensions	600 x 600 mm (U-element) 1200x600 mm (E-element)	600 x 600 mm (U-element) 1200x600 mm (E-element)
Tube guidance	*fix*-guidance	*fix*-guidance
Connection	Tongue-and-groove	Tongue-and-groove
Screwing	Not necessary	Not necessary

Which Solution Is Right for Your Project?



NORIT-TE 20 Therm GF

When an exceptionally low build-up height and a slim system design are required.



NORIT-TE 25 Therm GF

When higher loads and a standard heating tube are required.

For detailed heating output values, example floor build-ups and technical design specifications, please contact us.



Sustainability in Modular Construction

Recycled Materials and Design for Disassembly in Modular Construction

Modular construction stands for efficient processes and a high degree of prefabrication. For NORIT, resource-efficient construction means reducing the use of virgin raw materials, using recyclable materials and optimising every stage of the product life cycle, from manufacturing to dismantling.

Materials in a Circular Economy

We rely on recycled materials: FGD gypsum as a recycled product and cellulose fibres made from recycled paper. Our dry construction systems are designed to be dismantled after use with materials kept as separate as possible, enabling recycling.

Transparent Documentation of Environmental Performance

We communicate the environmental performance of our products through Environmental Product Declarations (EPDs) in accordance with EN 15804. Our gypsum fibre products have been assessed against the criteria of the Institut für Baubiologie Rosenheim. To support the assessment of sustainable construction projects, we provide the required product data through the SHI Product Passport and the SHI database.

Efficient Systems for Modular Construction

Slim, dry system build-ups enable efficient construction processes and support modular building methods. We optimise material selection, resource use and design for disassembly throughout the stages of manufacturing, use and dismantling.

Approach	What NORIT Offers	Evidence
Recycled content	FGD gypsum from industrial recycling streams; cellulose fibres made from recycled paper	Development and manufacturing are carried out under a management system certified to DIN EN ISO 9001:2015 (Quality), ISO 14001:2015 (Environment) and ISO 50001:2018 (Energy)
Design for disassembly	Dry construction and ReTro systems designed for mechanical dismantling and material separation	System build-up documentation / potential for take-back and recycling of gypsum fibre materials separated by material type
Life cycle data	Verified environmental impact data for selected products across their life cycle	EPD in accordance with EN 15804 + A2
Building assessment	Provision of product-specific data for environmental building assessments	QNG-ready: SHI Product Passport / SHI database
Material properties	Products tested for pollutants and emissions	EMICODE® EC1PLUS / IBR test report



From Planning to Implementation.

A system is only as good as its implementation.

Clear planning is essential, especially for recurring construction processes. NORIT supports you in preparing and implementing your specific projects.

01
Clarify Requirements

What type of construction is involved? What build-up height is available? Is underfloor heating required?

02
Select the System

The right floor build-up is configured based on the specific requirements of your project.

03
Prepare the Planning

The NORIT Floor Planner helps you prepare your desired floor build-up step by step.

04
Create the Installation Plan

For specific projects, we provide installation plans for NORIT-TE 20/25 Therm GF and NORIT-ReTro Therm 35/40.

05
Support Installation

On request, NORIT can provide on-site support, including practical installation guidance.

06
Support Your Project

Our sales team and internal sales department are available to assist with technical and organisational questions at any time.

Find out more about our services on our website:

https://www.lindner-norit.com/en

Your Modular Construction Project. Our Expertise.

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Convinced? Contact us now for your Modular Construction Project!

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Subject to technical changes. All information is correct to the best of our knowledge at the time of printing. The latest applicable technical data sheets and installation instructions shall prevail.
As of: October 2026

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