

NoMorePly®

## Fibre Cement Tile Backer Range Floorboard

22mm & 18mm TG4 Installation & Technical Data



The Ultimate Surface

## Your first choice for the ultimate surface

NoMorePly is a range of high performance fibre cement tile backer boards.

**First to offer:** Pre-primed boards to help speed up installation.

**First to offer:** Boards with tongue and groove to four sides for structural floors.

**First to offer:** A lifetime guarantee when its fixing system is used for installation.

Fibre cement is the best material for use as a tiling substrate: better than chipboard, plywood, plasterboard or Magnesium Oxide (MgO). It's stronger, does not rot, swell, warp or delaminate. It resists water, moisture, mould and pests, plus NoMorePly fibre cement is Euro Class A1, non combustible.

Made from a mix of Portland cement, sand, organic cellulose fibres and water, fibre cement is a modern material that's engineered using an environmentally friendly process.

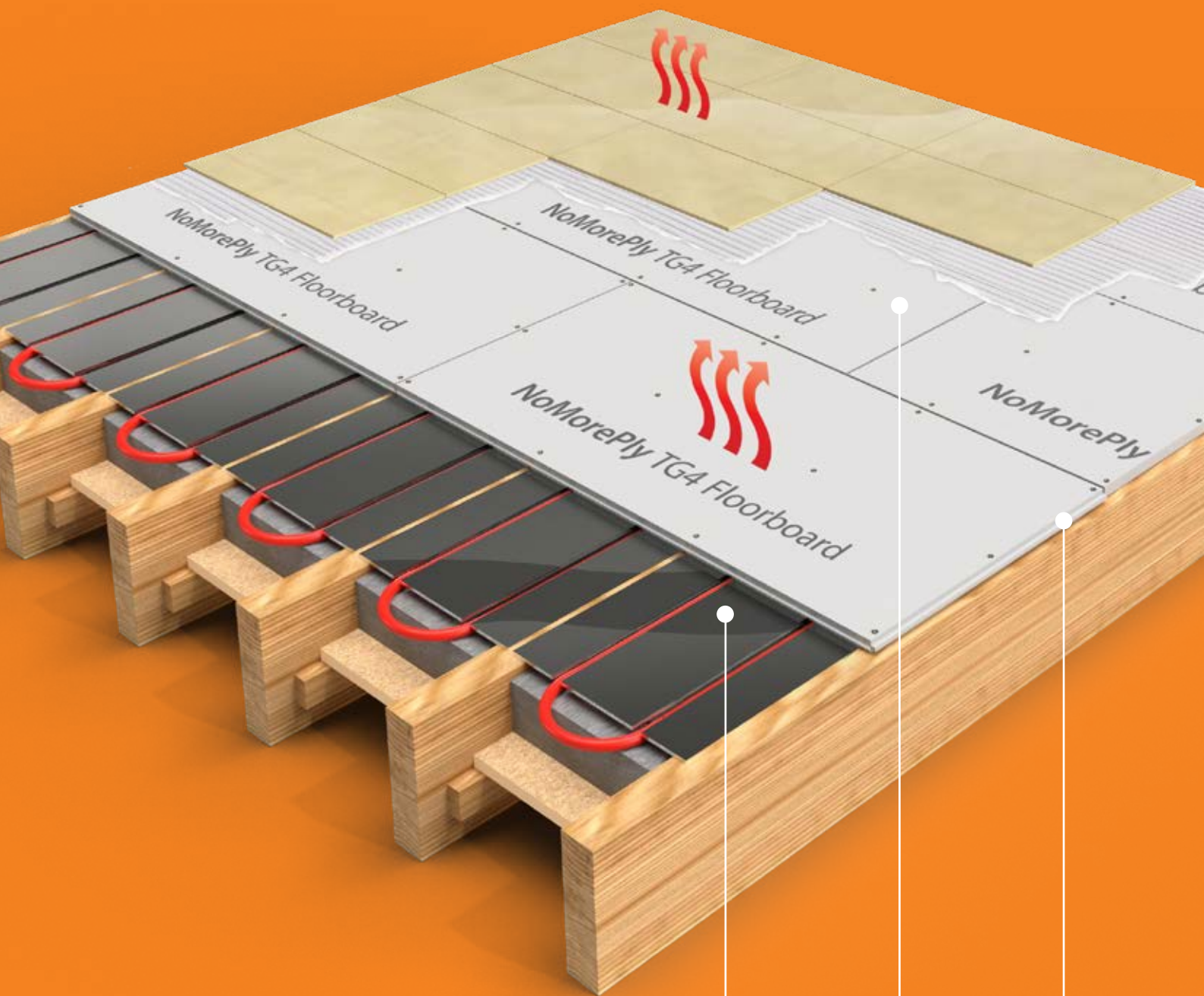
The NoMorePly tile backer range consists of floorboards, wallboards and overboards:

- **22/18mm Floorboards** are tongue and grooved on all four sides and designed to be laid direct to joist. Fibre cement is an excellent conductor of heat making these boards ideal for use with underfloor heating and a good alternative to wet screed.
- **12mm Wallboards** are fixed direct to stud work and are designed to carry the heaviest tiling materials, up to 100kg/m<sup>2</sup>, plus satisfy the latest industry standards for wall tiling substrates.
- **6mm Overboards** are used to strengthen timber floors and overcome deflection without unnecessary floor height build up.

Professionals choose NoMorePly for its high specification, quick and easy installation process and wide availability. It's also the first fibre cement board with a lifetime guarantee, giving everyone complete peace of mind.



# The Ultimate Surface



1. Fibre cement has high thermal conductivity, absorbing and releasing heat efficiently, making it ideal for use with underfloor heating.
2. Fix directly to timber or steel joists. No need for additional layers before tiling.
3. Tongue and groove to 4 sides increases floor strength and with no need to finish boards on a joist, material waste is reduced.

1

2

3



**DIRECT  
TO JOIST**



**A1  
FIRE RATED**



**WATER  
RESISTANT**



**FLOOR  
READY**



**GOOD  
THERMAL MASS**



## 22/18mm TG4 Tile Backer Floorboards for the ultimate surface

If your client is looking for underfloor heating and a tiled floor, you should plan to use NoMorePly TG4 from the start. These fibre cement boards, also referred to as screed boards, are load bearing and can be fitted direct to timber or steel joists without the need for additional layers before tiling.

Four sided tongue and groove means they slot together easily and as board edges don't have to fall onto joists, they can be laid quickly with fewer cuts and less material waste.

High density fibre cement is superior to chipboard. NoMorePly resists water, so it can stand on site without weather damage allowing site construction to continue regardless of bad weather.

These boards absorb and release heat efficiently making them compatible with all types of wet and electric underfloor heating systems. Also, they don't lose shape over time, so no squeaks guaranteed,

- 22mm or 18mm thick - for new floors or refurbishment
- 1200 x 600mm (0.72m<sup>2</sup>) - convenient one man lift
- Tongue and groove to 4 sides - less waste, quick to fix

	Fire Resistant	Water Resistant	No squeak guaranteed	Low skill & fast to fit	Standard UK joists	Underfloor heating (wet)	Tile Ready	Weather resistant	All floors in a building	Excellent thermal mass	Good sound proofing
Standard Chipboard	-	-	-	✓	✓	-	-	-	✓	-	-
Coated Chipboard	-	✓	-	✓	✓	-	-	-	✓	-	-
T&G Timber Flooring	-	-	-	✓	✓	-	-	-	✓	-	-
Screed Flooring	✓	✓	✓	-	-	✓	-	-	-	✓	✓
NoMorePly 22/18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

On-site  
6 months

DIRECT  
TO JOIST



A1  
FIRE RATED



WATER  
RESISTANT



FLOOR  
READY



GOOD  
THERMAL MASS

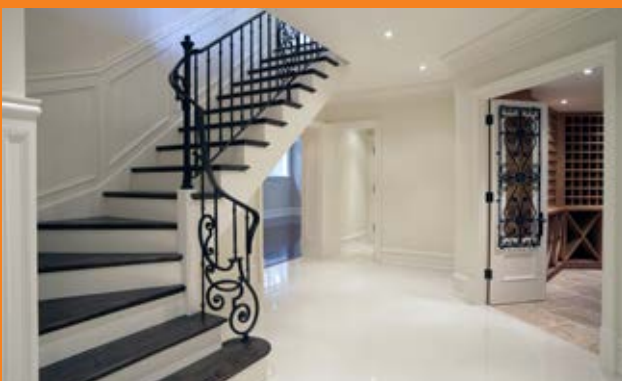


## 22/18mm TG4 Tile Backer Floorboards for the ultimate surface

NoMorePly TG4 floorboards are used on any floor that's typically finished in tiles. Bathrooms, wet rooms, hallways, kitchens and new extensions-especially when specified with underfloor heating.

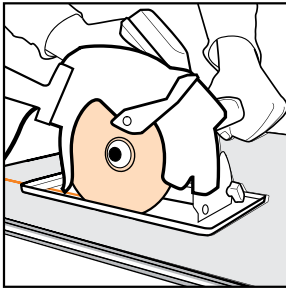
They are also used to level up floors, particularly useful when extensions create new open-plan living areas including balconies and other external floor substrates, such as outdoor tiled areas. NoMorePly TG4 is also a popular choice for mezzanine floors and for use in the construction of modular buildings. Plus it's an ideal non combustible barrier in commercial environments and now frequently used in the construction of flat roofs.

**Developers use these boards as alternatives to timber, simply to provide squeak free flooring and improved acoustic performance. They choose NoMorePly TG4 over wet screed for speed and simplicity. Don't feel restricted to using these boards with tiles. They can be used as a substrate to engineered timber flooring and finished with carpets and linoleum.**

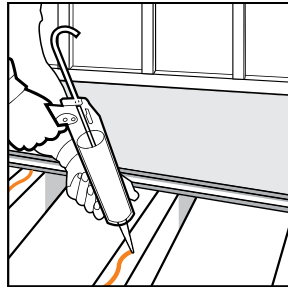




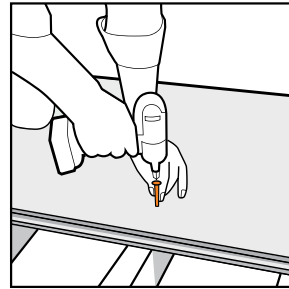
## 22/18mm TG4 Tile Backer Installation



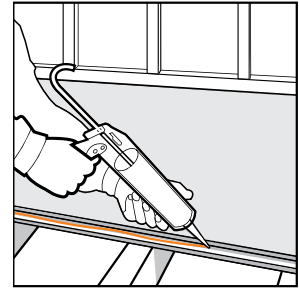
**1. Cut boards to size**  
Cut TG4 Tile Backer using a circular saw fixed with a vacuum extractor and a PCD Saw Blade. When cutting always use vacuum extraction with a suitable filter. This method will cut boards easily and reduce dust. Boards are fixed with board text facing up.



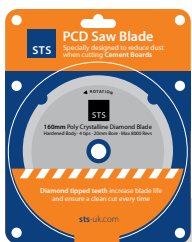
**2. Stick boards to joists**  
TG4 Tile Backer can be fixed to timber or steel joists installed at maximum 600mm centres using 22mm and 450mm centres using 18mm. Apply a bead of Slow Set Mega Strength PU Adhesive to the joist, then position the first board. The foil tubes are better for larger areas.



**3. Secure with screws**  
Secure with 2 x 50mm NoMorePly Fibre Cement screws per joist. Ensure screws are placed a minimum distance of 25mm from the tongue and groove edge.



**4. Apply adhesive to groove**  
Lay in a brick bond pattern. Tongue and groove joints do not need to end on a joist but all square edges should be fully supported. Secure subsequent boards by applying Mega Strength PU Adhesive along all sides of the T&G before inserting the next board. You are now ready to install other surfaces immediately.



For more information on the essentials please see page 30

## 22/18mm TG4 Tile Backer Specifications

### General Information

**Codes and trade name:** **5522** (22mm) and **5518** (18mm).  
TG4 Tile Backer boards / 1200mm x 600mm

**Description:** TG4 Tile Backer is used for installing floor substrates on metal or timber structures. The boards can safely resist the pressures generated by temporary and permanent loads. Any type of floor can be installed on them. They have tongue and groove edges that guarantee the mechanical bond between boards.

### Product Components

Portland cement, cellulose fibres, sand, water and other minor aggregates. The boards fulfill the requirements of resistance, safety, and durability needed in the construction of buildings, as well as the most stringent environmental regulations. When exposed to moisture, TG4 Tile Backer doesn't change shape, rot or expand like chipboard, plywood and other timber-based materials. Fully compatible with most types of tile adhesives. Please contact our technical department for further compatibility information.

### Storage

The boards should be protected from excessive humidity and temperature changes, such as rain, sun, winds and moisture.

TG4 Tile Backer must always be stored flat. If boards are stored outside they must always be fully covered with a waterproof tarpaulin.

### Acclimatisation

TG4 Tile Backer must be protected from moisture and weather prior to installation. Although they will not deteriorate after installation even if subject to adverse weather conditions, it is recommended that a coat of waterproof primer, such as SBR be applied to reduce moisture ingress. Before the final finish is laid, boards should be thoroughly cleaned and allowed to acclimatise to the final ambient temperature and moisture conditions of the building. If piped under floor heating is installed this can be turned on to help with acclimatisation.

### Manual Handling

NoMorePly TG4 Tile Backer is just 1200 x 600mm and comes in both 18 & 22mm thicknesses. The boards weigh 18.8 / 24.8kg so can be carried one at a time as a single man lift. Carry the boards on their side to avoid the risk of damage during handling. Due to the composition of the Fibre Cement boards, we would always recommend the use of gloves to protect your hands whilst lifting or carrying them.

Properties	Units	Performance	
		18mm	22mm
Density	Kg/m <sup>3</sup>	>1200	>1200
Weight	Kg/Board	18.8	24.8
Thickness	mm	18mm	22mm
Dimensions	mm	1200mm x 600mm	1200mm x 600mm
Tolerance	Thickness	+/- 5%	
	Dimension	+/- 1mm	
	Weight	+/- 5%	
<b>Mechanical Characteristics</b>			
Modulus of Rupture EMC - Min	MPa or N/mm <sup>2</sup>	18mm = 11.71	22mm = 10.91
Free Moisture Content	%	6	
Water Absorption - submersion after 22 Hrs	%	36	
Lamina Bond Strength	MPa or N/mm <sup>2</sup>	0.9	
<b>Additional Characteristics</b>			
Thermal Conductivity (K) (30° C Mean Temperature)	W/M k	0.172	
pH Value	-	10.4	
U Value	-	0.1047 Wm <sup>2</sup> K	0.1279 Wm <sup>2</sup> K
Fire Rating	-	Class A1	
Compression Strength	Min Requirement 30 MPa or N/mm <sup>2</sup>	18mm: 37.7	22mm: 39.2

# 22/18mm TG4 Tile Backer Q&A's

## 22/18mm Floorboards

### 1. Does it cost more than chipboard flooring?

Fibre cement boards are more expensive than chipboard flooring. However, you need to remember that more time and materials are needed to achieve a tile ready floor that works more efficiently with underfloor heating. When you add up the cost of multiple layers and the time to fix them, your client will be better off using TG4 Tile Backer from the start.

### 2. How easy are the boards to handle?

18mm boards weigh under 19kg each and 22mm boards weigh under 25kg each. One man can easily manage these boards, place them into position and even carry the boards up a stairway.

### 3. What joist centres are needed to carry these boards?

We recommend joist centres of 400mm - 500mm. However, in certain circumstances, 600mm can be achieved with 22mm boards.

### 4. How do you recommend measuring up when using TG4 Tile Backer?

Boards are 1200mm x 600mm which is 0.72m<sup>2</sup>. With tongue and groove to four sides, boards slot together easily. Plus, since board edges don't have to fall onto a joist, there's less cut to waste. STS recommends planning just 5% extra in addition to the floor surface area.

### 5. What's the best way to fix TG4 Tile Backer?

Cut the boards using a PCD saw blade. Use MEGA Strength PU Adhesive and 50mm Fibre Cement Screws to secure the boards to either timber or steel joists. Always fit the boards with the board print facing up. For larger areas the best method of gluing is to use the Slow Set MegaStrength foils. This give you 30 minutes before the glue fully sets, allowing you to move the boards into position.

### 6. Can the boards be left on site, open to the elements?

Yes. Fibre cement is water resistant so construction can continue through wet weather. If boards have been exposed, we recommend that are left to acclimatise to the ambient temperature and conditions of their new surroundings.

### 7. Can STS deliver direct to site?

Yes, providing there's a forklift on site or access for a lorry with a tail-lift. Please advise when ordering.

### 8. What floor finishes are these boards compatible with?

These boards are compatible with most types of floor finishes. Some types of soft flooring may require levelling compound to eliminate any lippage.

### 9. Can this product be used with additional sound reducing matting?

Yes. STS can supply additional sound reducing matting for use in conjunction with the TG4 products. Please speak to us to discuss your specific requirements.





## The Ultimate Surface

# Product Descriptions

### NoMorePly Fibre Cement Board Screws

38mm & 25mm Fibre Cement board screws are the perfect fixing method for the 12mm and 6mm boards. Their unique self tapping tip and self-countersinking head mean they're not only fast to install but sit completely flush with the surface of the board. Their high quality zinc plating means they are suitable for use in wet areas such as bathrooms, wetroom and kitchens.



Product Code	Description	Quantity
5647	38mm (box of 50)	18
5652	38mm (box of 200)	18
5626	25mm (box of 50)	18
5631	25mm (box of 200)	18

### NoMorePly Fibre Cement Floor Screws

50mm Flooring screws are designed to fix down both the 18mm and 22mm TG4 boards. They come with a fast cutting tip designed for fibre cement, self countersinking head for fast install and provide a solid and structural fixing for the the NoMorePly flooring system.



Product Code	Description	Quantity
5650	50mm (box of 250)	10

### NoMorePly Adhesives

Polyurethane adhesive is recommended for fixing NoMorePly boards in conjunction with NoMorePly screws. It gives an exceptionally high bond strength and foams slightly on application to fill small gaps.

#### NoMorePly Slow Set Mega Strength

The polyurethane adhesive offers a 30 minute set time. When installing the 22 and 18mm TG4 Flooring system it is important to allow enough time to move the boards into place before the glue sets. This adhesive comes in a 600ml foil, and will supply enough glue to install 10-12 TG4 boards, as well as allowing you to dispose of the empty foil in an eco friendly way.



Product Code	Description	Quantity
5663	600ml Foil	24

#### NoMorePly Fast Set Mega Strength

The adhesive is a crucial part of our NoMorePly system and is designed for use when installing the 6mm PrePrimed boards and 12mm boards onto walls and floors. It sets in just 5 minutes and has a water free formulation ensuring that it doesn't foam excessively but it will expand to fill any small gaps beneath the boards. As it is 100% waterproof, it is an excellent jointing solution in all areas including bathrooms and wetrooms.



Product Code	Description	Quantity
5620	310ml Tube	12

### NoMorePly Carbide Tipped Scoring Tool

This professional tool is a superior grade and designed for heavy duty use. The carbide blades will significantly outlast ordinary scoring blades, providing you with better results and greater ease of use. Used for cutting NoMorePly boards by 'scoring and snapping' making them very fast to lay. The tungsten-coated double tips scores the cement board with ease. Doubles up as an excellent grout removal tool.



Product Code	Description	Quantity
5630	-	12

### NoMorePly Professional Fibre Cement Board Primer

A Latex based waterproof primer. It is used to seal the surface of NoMorePly boards to improve the bonding strength of the tile adhesive. It helps to reflect heat which enhances the insulation value of NoMorePly to make it ideal for use with underfloor heating. It provides a waterproof coating to make it ideal for use in wetrooms and bathrooms.



Product Code	Description	Quantity
3019	1ltr Bottle	10
3018	5ltr Bottle	1

### NoMorePly Professional Fibre Cement Board Cutting Blade

The STS Polycrystalline Diamond blades are perfect for fast and accurate cutting of Fibre Cement Boards. The diamond tipped teeth increase the blade life, ensure a clean cut every time and reduce dust. Wherever possible, use a dust extractor with a suitable filter. For a perfect cut set the cutting depth to 5mm more than the material thickness and cut in a straight line. The two sizes of the blades (160mm and 180mm) work perfectly with all makes of circular saw and each blade comes with a reducing bush for the centre to ensure it holds firm in the saw.



Product Code	Description	Quantity
6316	160mm	1
6318	180mm	1

## Lifetime Guarantee

One of the great things about the NoMorePly System is its Lifetime Guarantee. This means that providing the boards are installed correctly, onto an adequate substrate and using our NoMorePly fixing essentials as shown in this guide you can have complete peace of mind as your project is covered by us.

For more specific information on our guarantees please contact our technical department on: **01132 022 010**

# The Ultimate Surface

**STS** is a specialist manufacturer and UK based distributor of fibre cement boards and fixing essentials. As a respected provider in the UK construction industry, STS is proud to hold to our core values to be Industrious, Cheerful, Creative and hold to Sound Family Values.

The driving force behind the STS team is not merely to meet industry standards, but to exceed and redefine them, and in doing so, bring our customers and installers a clear competitive advantage.

Whilst holding to our values, innovating and providing our customer with excellent customer service we are also constantly working to improve our Corporate Social Responsibility and Employee Welfare.

**For sales or advice on installation**

**Call: 0113 2022 010**

**Visit: [nomoreply.co.uk](http://nomoreply.co.uk)**

**Lines open: Monday to Friday 7am - 5pm**

**NoMorePly<sup>®</sup>**

**STS**

