sts-uk.com

NoMorePly®

STS

12mm Fibre Cement Board

One Board
Multiple Applications

A1 FIRE RATED

WATER RESISTANT

RENDER READY

SOUND REDUCTION

TILE READY

INTERNAL AND EXTERNAL USE
HEAVY DUTY FIBRE CEMENT BOARD

STS / Building Better

TILE
READY

WATER
RESISTANT

RENDER
READY

SOUND
REDUCTION

EURO CLASS
NON COMBUSTIBLE

BS EN 1716 & 1182

TIMBER FRAME
BURN TIME

BS EN 476 Part 22

Professionals choose **No**More**Ply** **12mm** Fibre Cement Board for its range of uses and for peace of mind

12mm Fibre Cement Boards can be used in a wide range of applications both internally and externally, covering 4 key areas including fire protection, sound reduction, moisture resistance and render application. In addition, they serve as ideal tile backer boards.

A1 fire resistant board means that your structure will be safer in the event of a fire outbreak, potentially saving people's lives.

Makes ideal partition walling in damp or wet areas, such as bathrooms. It's also weather resistant, so can be exposed to poor weather on site during the construction phase without concern. A weather protective coating is required for permanent exposure.

Faster to fit than laying blocks, it's an ideal alternative to masonry substrates for domestic and commercial applications.

A stronger build means these boards can withstand surface impact, making the finish more durable and longer lasting, especially in high traffic areas prone to damage.

Made up of compacted cement with fibres, NoMorePly 12mm Fibre Cement has exceptional strength properties. It also accepts wall mounted fixings without the need to secure to stud beams.

Boards are easily fixed to timber or metal stud work, and to solid walls using STS fixing products.

Features	Benefits
100% recyclable	Easy to dispose of waste on site
High thermal mass	Capacity to store and release heat, according to surrounding
Non-combustible	Can be used as fire protection
Water resistant	Not effected when in contact with moisture
Heavy duty	Ideal for high traffic and vulnerable areas
Highly durable	Suitable for external and internal application

Fire Protection

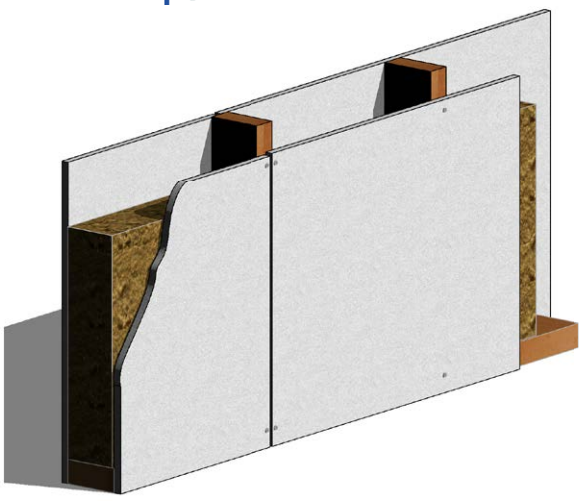
In a construction environment the NoMorePly Fibre Cement Boards offer extensive fire protection, whether you are using as a high spec fire wall system for party walls or something simple like a backing board for a woodburning stove or boiler.

Common Applications

- Internal party fire wall
- Roof space fire wall / spandrel panel
- Stove / boiler backer
- Oil tank surround
- Fire resistant ceiling board
- Timber cladding receiver

Internal stud wall - 113mm, 400mm centres
118 minute fire resistance, sound insulation 42dB
Wall weight 50kg per sqm

Exova



Water Resistance

Ideal for floors and walls potentially exposed to moisture or requiring tiling. This could be anything from boarding out your basement, tiling your bathroom or using as an external cladding board.

It's also weather resistant, so can be exposed to poor weather on site during the construction phase without concern. A weather protective coating is required for permanent exposure.

Common Applications

- Basement liner membrane
- Tile backing board
- External rain shield cladding
- Weather board
- Wetroom boarding
- External render board

For technical support, call on **0113 202 2010**

Render Carrier

Fibre cement provides a unique bonding surface for thin coat render systems and comes endorsed by leading render manufacturers including K-Rend, Atlas, Ecorend, Baumit, Mapei and Parex.

In addition, the high strength and rigidity of fibre cement, plus great waterproof properties, makes NoMorePly the perfect render board carrier.

Common Applications

- External render carrier for timber or steel frames
- Dormer cheeks
- Bay windows
- Modular build
- Park homes

Sound Reduction

The density of NoMorePly provides the perfect solution for decibel (dB) reduction for party wall partitioning.

Often used in multi occupancy properties and buildings to ensure air borne sound is kept to a minimum. The NoMorePly Fibre Cement Board System offers up to 50dB reduction (lab tested).

Common Applications

- Party walls
- Schools
- Student accommodation
- Flats and apartments
- Commercial buildings

Internal stud wall - 128mm. Sound insulation 50 dB
15mm resilient bar SRE05 by Superior Sections
@ 400mm centres

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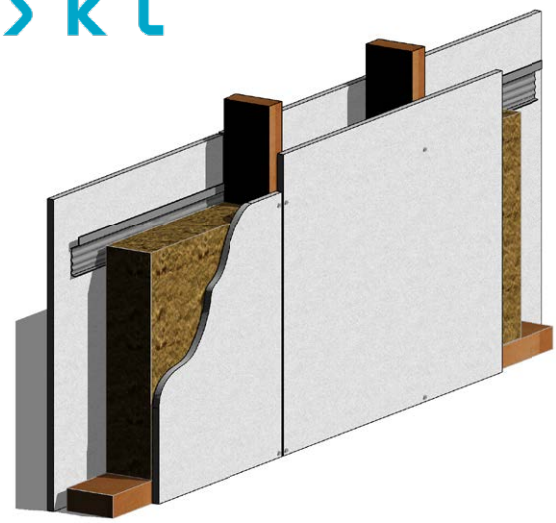

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12mm Fibre Cement Board Q&A

1. When wet, does NoMorePly 12mm lose any strength, also, when they dry, do they recover all original strength?
NoMorePly 12mm Fibre Cement Boards will lose some strength when wet. Multiple tests have been carried out which included a pull through test at control conditions when the boards were dry and a pull though test after the boards were immersed in 23°C water for 7 days. There was a slight loss in strength when the boards were tested after immersion, however, when they reverted to their dry state, all strength had been retained.

2. What is the maximum length of time NoMorePly 12mm Boards can be fitted and then exposed to weather prior to rendering?
We recommend rendering the fitted NoMorePly 12mm Fibre Cement Boards as soon as conditions allow, although these boards can be left fully exposed for up to 3 months prior to rendering. Pay particular attention to preparation of boards to receive render base coat when boards have been exposed for a prolonged period. You must ensure boards have fully dried and that the surface is cleaned of any debris and dust that may have been attracted to the surface.

3. How does STS advise on render preparation?
Specific guidance for preparation of boards to receive render varies slightly from each render supplier, so STS recommends following your preferred render supplier's guidance to ensure validity of warranty.

4. What side of NoMorePly 12mm Fibre Cement Boards do I render on to?
Use either side. Both accept render easily.

5. Can I apply sand & cement render onto NoMorePly 12mm Fibre Cement Boards?
Although the bonding surface of NoMorePly boards is very good for any cement based products, the problem you may have with this type of render is cracking on the joints. Generally, a silicon thin coat render system is recommended for render boards because it is much more flexible and forgiving to movement. Cement, however, sets completely solid.

6. Do NoMorePly 12mm Fibre Cement Boards need to be hard fixed or can they be dot and dabbed?
NoMorePly always recommends mechanical fixings in addition to dot and dab onto solid surfaces.

7. Can NoMorePly 12mm Fibre Cement Boards be used in place of plasterboard?
Yes, NoMorePly 12mm Fibre Cement Boards have far superior properties in comparison with plasterboard such as fire resistance, impact resistance, strength, breathability, durability to damp and excellent thermal mass properties.

8. Can NoMorePly 12mm boards support wall fixings?
Yes, NoMorePly 12mm Fibre Cement Boards will support fittings such as toilet roll holders, shower curtain rails, vanity mirrors, shelves and pictures when appropriate fixings are used. Larger, heavier fittings such as grab rails and cabinets must always be fitted into supporting stud work.

9. Can NoMorePly 12mm Fibre Cement Boards be used behind a wood burning stove?
Yes, NoMorePly 12mm Fibre Cement Boards are A1 fire rated and an ideal board to use behind wood burning stoves.

10. Can NoMorePly 12mm Fibre Cement Boards be painted and plastered?
Yes. Before applying paint or plaster, NoMorePly 12mm Fibre Cement Boards require priming with SBR Primer.

11. Do NoMorePly 12mm Fibre Cement Boards require priming before applying tile adhesive?
Priming NoMorePly 12mm Fibre Cement Boards is always best practice before applying tile adhesive. Tests have proved the bond between tile adhesive and NoMorePly 12mm Fibre Cement Boards was significantly strengthened when Tilers SBR Primer was applied.

12. What mechanical fixings do I use?
For standard internal use onto timber or metal stud work, use STS 38mm torx screws to fix 12mm boards, 400mm centres. For external, fire and render applications, fixing methods vary by application. Please call our technical support line for best practice.

13. How should NoMorePly 12mm Fibre Cement Boards be stored?
NoMorePly Boards are delivered on clearly labelled pallets, wrapped and packaged to prevent weathering and edge damage. They should be stored flat on a pallet, in dry conditions indoors. Boards should not be lent upright for long periods of time and whilst stored, moisture should not be allowed to drip on to or infiltrate between stored sheets to prevent surface staining. Larger sized boards should be always lifted by 2 people and carried on their edge, so to avoid unnecessary damage.

14. What is fibre cement board made of?
Portland Cement: binds the ingredients and is made with limestone, clay and iron.

Cellulose Fibres: treated, organic fibres which act as a filler.

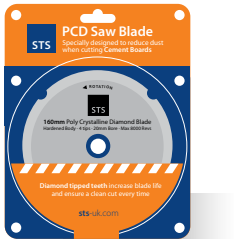
Sand: highly durable and creates all weather performance.

Water: dissolves the wood pulp; activates and hardens the cement.

NoMorePly 12mm Fibre Cement Boards have no need of fibreglass mesh for strengthening, which of course is almost impossible to recycle and very irritable when cutting.

15. Are NoMorePly 12mm Fibre Cement Boards recyclable? Yes, 100%

16. How do I cut the boards?
Use a hand held circular saw fitted with a PCD blade. Dust extractor recommended.



Technical Data

NoMorePly 12mm Fibre Cement Boards are heavy duty, manufactured to BS EN 12467. They are suitable for internal and external applications and construction types including SFS, LGS, Timber Frame and Modular / Offsite build.

Board Dimensions	12mm
Board Dimensions	1200mm x 800mm
Board Weight	15.2 Kg
Tolerance	0.2%
Test Standard	BS EN 12467:2016 + A1:2016

Performance	
Density	1.28g cm^3
Linear Variation (change in moisture)	0.16%
Bending Strength (dry)	12.46 MPa
Bending Strength (saturated in warm water)	12.91 MPa
Water Impermeability (unprimed)	No water formation after 24 hours Damp patch covers tested area
Water Impermeability (primed)	No water formation after 24 hours No damp patch in tested area after 192 hours
Reaction to Fire Test Standard	EuroClass A1 BS EN 13501-1 Class A1 Non-Combustible
Fire Insulation	BS 476 part 22 118 min burn time for timber frame/138 min burn time for LGS frame
Racking Strength Modules of Elasticity	Category 1 (BS EN 5268-61 & BS EN 594:2011) 5600 N/mm2
Mechanical Characteristics - Bending Strength (MOR)	Class 2
Durability	Complied (Freeze-Thaw, Soak-Dry & Warm Water)
Durability (Heat /Rain)	Passed
Pull out test (render board screw)	Mean result: 1490 (Newtons)
Wind Load Testing	3400 Pa
Pull through testing	Mean result: 1650 (Newtons)
Pull out testing	Mean result: 840 (Newtons)
Thermal Conductivity	0.2435 W/M.k
R Value	0.0493 M^2K/w
Durability/Min Life Expected	30 Years

Compatible Renders

ATLAS, K REND Silicone Coloured Renders, PRB Systems Limited, ecorend, baumit, K Systems Insulated Façades, JUB, PAREX Building expertise, together, VPI Vicat Produits Industriels, EWIPRO Render Solutions, smet, MAPEI, wetherby creating a greener future

Accreditation

NHBC, BBA Certificate 97/3428 Steel & Timber Frame, BDA Agrément BAW-20-164-P-A-UK

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