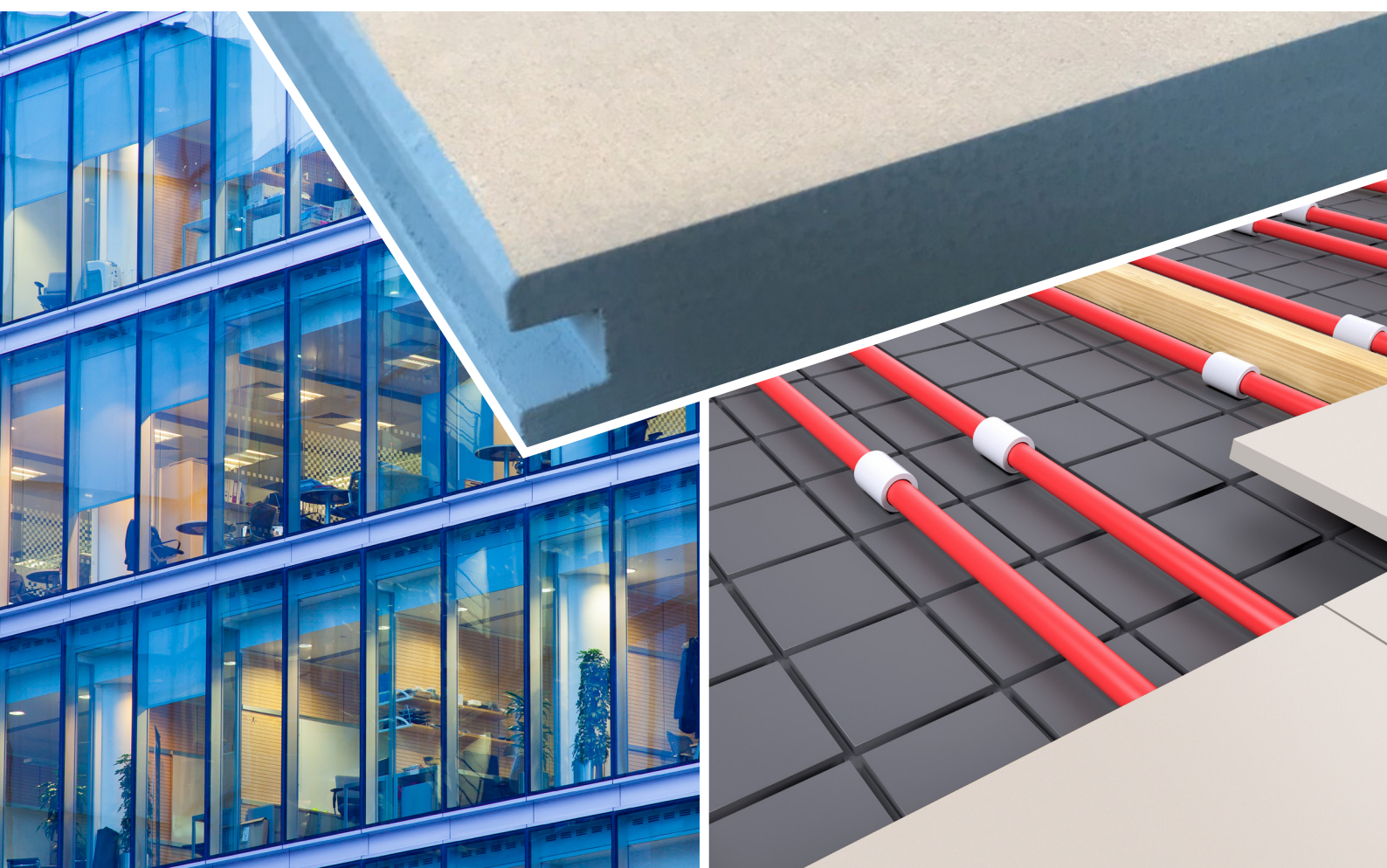


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Sept 2023

Kemwell **KemFloor** Fibre Cement Flooring Systems

A1 non-combustible fire-rated fibre cement board for tongue and groove flooring systems with high sound, thermal and moisture resisting properties.



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A High Performane Fire-rated Flooring Board System

Kemwell KemFloor is an A1 fire-rated, non-combustible fibre cement board, combining moisture and fire resistance properties with high impact strength and sound insulation.

It is primarily used as a durable flooring board and comes with factory-engineered tongue and grooved edge profiles to form a strong and seamless joint with excellent load-bearing capabilities. It is suitable for all building types including; residential, commercial and industrial buildings, as well as, schools and hospitals. It is especially suited to projects where quick construction, safety, cleanliness and hygiene are of high importance and is also ideal for use in areas of high humidity, like swimming pools, spas and wet rooms.

KemFloor is designed specifically to meet the complex and stringent requirements of the building and construction industry, providing architects, developers, and contractors with adaptability and performance benefits to enable safe and innovative designs to be easily realised.

You can specify Kemwell **KemFloor** with confidence.



SUPPORT

Our project team provides expert support services throughout all stages of any construction project, including:

- Technical advice
- Supply of data sheets and certification
- Product selection and application consultation
- Site-visits
- Installation advice
- On-site and off-site educational seminars
- Benefit from years of industry knowledge and experience

We understand the complex and stringent requirements of the building and construction industry and our products provide architects, developers, and contractors with adaptability and performance benefits to enable safe and innovative designs to be easily realised.

Please contact us to discuss your project or requirements further.

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COMPOSITION

Kemwell **KemFloor** boards are manufactured in accordance with ISO 9001:2008 in an autoclaving process and then pressed to achieve the ideal density. This process produces consistently strong and uniform panels suitable for flooring. The tongue and grooved edge is produced in the factory to exacting standards leading to a snug fit for the joints and a strong bond between panels with excellent load-bearing capabilities.

KemFloor boards are wood and asbestos-free, contributing to an environmentally-friendly, fit-for-purpose and cost-effective product.

APPLICATIONS

Kemwell **KemFloor** can be used on traditional joists, engineered joists and batten floor systems.

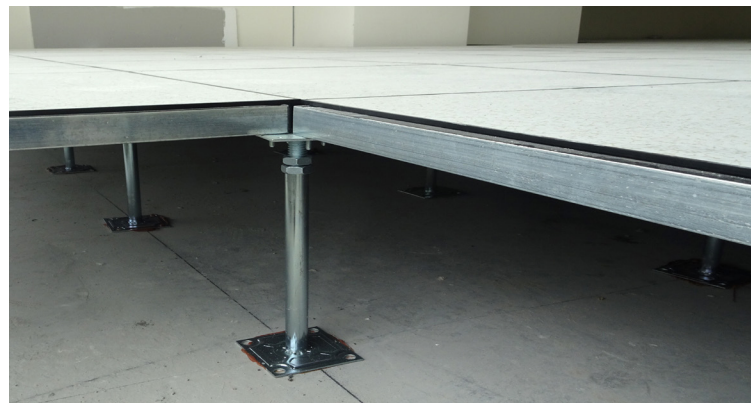
- Raised access flooring systems
- Enhances underfloor heating systems
- Mezzanine flooring
- Balconies and loft conversions
- Bathrooms and wetrooms

SECTORS

- Student accommodation and schools
- Social housing
- Commercial and industrial buildings
- Hospitals and nursing homes

RAISED ACCESS PLATFORM FLOORS

KemFloor flooring panels are ideal for use on raised access platform floors and are designed to span over pedestals at maximum centres of 600mm allowing for very strong, durable and dimensionally stable floors. For higher load-bearing capacities, the centres of the pedestals can be reduced or by the addition of an extra layer of **KemFloor** panels. **KemFloor** platform floors provide the ideal space to locate services and to take partitions directly above.



FEATURES



Fire Resistance

A1 non-combustible fire rated to EN1305-1:2007 + A1:2009.



Water and Moisture Resistant

Kemwell **KemFloor** provides excellent resistance to the harmful effects of moisture and water.



Thermal Properties

Kemwell **KemFloor** systems have a high level of thermal conductivity.



Acoustic Properties

Kemwell **KemFloor** has excellent sound absorption characteristics making them ideal for reducing sound transmission.

They can be used coupled with acoustic resilient layers, **KemFloor** flooring panels create a high-performance acoustic floor.



Quick and Easy Construction

Kemwell **KemFloor** is quick and easy to lay and is suitable for most popular floor finishes including underfloor heating systems.



Finishing Flexibility

KemFloor can accept most floor finishes bonded directly to the flooring panels.

The panels do not need to be primed prior to application of the adhesive and the floor finish, meaning the floor design is flexible with carpet, vinyl, laminate, timber, stone, and ceramic tiles.



Durability

A lightweight but strong board and performance is unaffected by the hazards of its working environment.

TECHNICAL DATA

Item	KemFloor fibre cement flooring board
Size (mm)	2400 x 1200mm, 2400 x 600mm, 1200 x 600mm
Apparent density (Kg/m ³)	1700
Average water absorption (%)	14.6
Moisture movement (%)	0.03
Average moisture content (%)	7.7
Classification of Reaction to Fire	A1 non-combustible to EN13501-1:2007 +A1:2009
Water penetration	No formation of water droplets was found on the underside after testing
Mechanical Strength (Mpa)	
Bending strength (MOR) MPa	18.2
Modulus of elasticity (MOE) MPa	1410
Frost resistance	Not applicable
Radioactivity	Eco-friendly Grade
Asbestos	100% free of asbestos
Drying shrinkage	<0.1%

Item	Tolerance on dimensions
Length (mm)	<1200
	1200-2400
	>2400
Width (mm)	≤1200
	>1200
	<8
Thickness (mm)	8-20
	>20
	<1200
Edges straightness (mm)	≥1200
Unevenness on thickness	≤6%
Edges squareness (mm/m)	≤3.0
Difference in diagonal (mm)	≤5



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