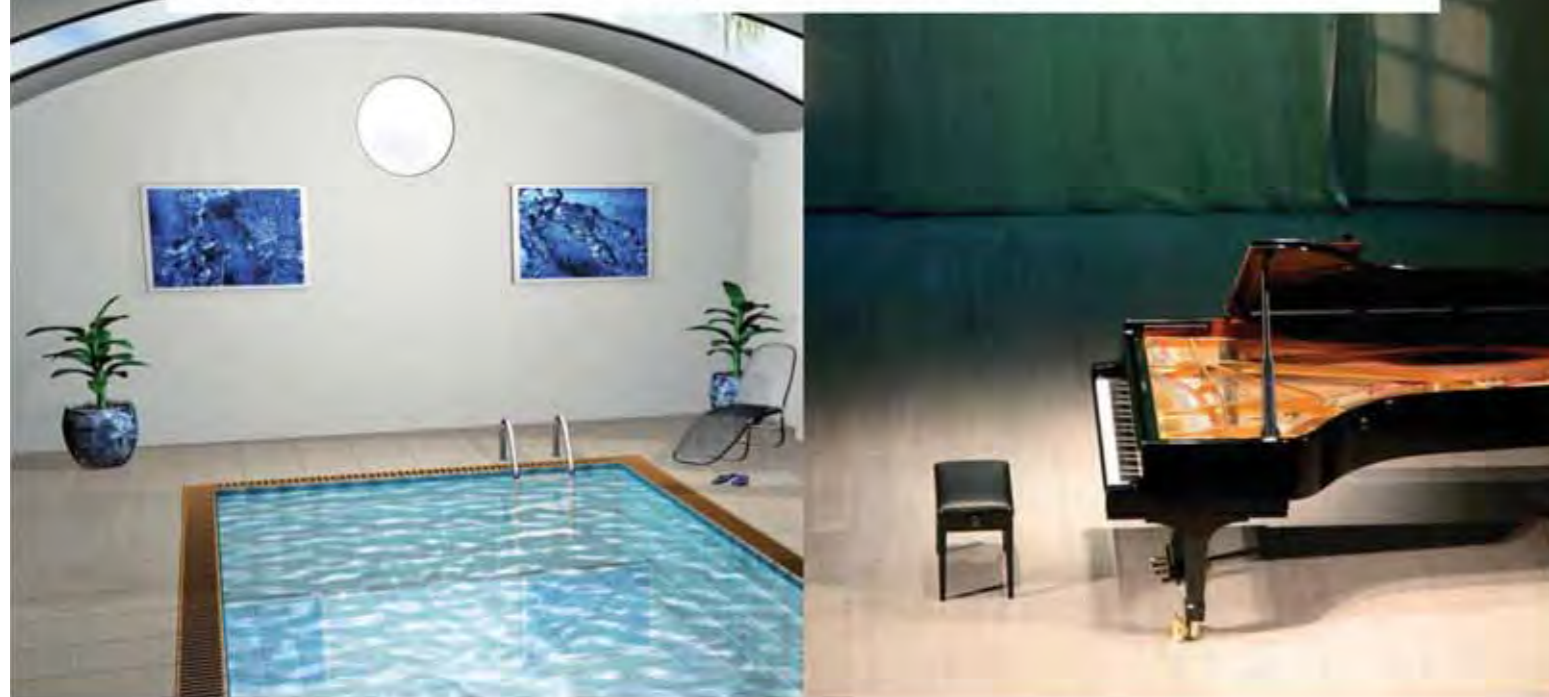




Dependability, simplicity, peace of mind : the answer to prescribers, installers, distributors and users demand.



Why choose Hydropanel?

- The advantages of dry construction
- One unique panel for all applications
- A complete range of products, joints and accessories
- Easy installation
- Proven superior characteristics
- Durable product
- Provides optimal comfort in use

Technical data

Product range

Thickness (mm)	Delivery, use and calculation space (mm x mm = m ²)	Bevelled edges (BE)
Wall		
9	900 x 1.200 = 1,08	no (0xBE)
9	1.200 x 2.500 = 3,00	no (0xBE)
9	600 x 2.600 = 1,56	yes (2xBE)
9	600 x 3.000 = 1,80	yes (2xBE)
9	1.200 x 2.600 = 3,12	yes (2xBE)
9	1.200 x 3.000 = 3,60	yes (2xBE)
9	900 x 1.200 = 1,08	yes (4xBE)
12	600 x 2.600 = 1,56	yes (2xBE)
12	1.200 x 2.600 = 3,12	yes (2xBE)
12	1.200 x 3.000 = 3,60	yes (2xBE)
Ceiling		
9	900 x 1.200 = 1,08	yes (4xBE)
12	600 x 2.600 = 1,56	yes (2xBE)
12	1.200 x 2.600 = 3,12	yes (2xBE)
12	1.200 x 3.000 = 3,60	yes (2xBE)
Floor		
6	1.200 x 2.500 = 3,00	no (0xBE)
9	1.200 x 2.500 = 3,00	no (0xBE)



Accessories

Screws with cutting point	
Galvanised steel	4.0 x 35
Nails (ribbed)	
Stainless steel	2.8 x 45
Hydropanel-Filler	
Filling compound for bevelled edges	5 kg/container
Hydropanel-Finisher	
Finishing compound for bevelled edges	5 kg/container



Tegral Building Products Ltd.
Website: www.tegral.com

Technical support email:
support@tegral.com

Composition

Hydropanel sheets is fibre cement according to EN 12467 (Level 1) consisting of the following: Portland cement, selected mineral fillers, organic reinforcing fibres, functional additives.

Technical properties (average values)

The CE-mark is based on the European standard EN 12467 "Fibre cement flat sheets", which describes classification and most testing methods.

Testing according to ISO quality management system			
Density	Dry	EN 12467	1,180 kg/m ³
Bending strength	Ambient/L	EN 12467	23,0 N/mm ²
	Ambient//	EN 12467	17,0 N/mm ²
Modulus of elasticity	Ambient/L	EN 12467	10.000 N/mm ²
	Ambient//	EN 12467	10.000 N/mm ²
Delamination resistance	Ambient		0,50 N/mm ²
Hygrical movement	0-100%, mean		1,20 mm/m
Porosity	0-100%		40 %

Classification		
Durability classification	EN 12467	Category B
Strength classification	EN 12467	Class 2
Fire reaction classification	EN 13501-1	A2,s1-d0

Type test or best estimate		
Impermeability test	EN 12467	Ok
Warm water test	EN 12467	Ok
Soak dry test	EN 12467	Ok
Freeze thaw test	EN 12467	Ok
Thermal expansion coefficient		6.5*10 ⁻⁴ m/mK
Thermal conductivity coefficient		0.19 W/mK
Water vapour diffusion resistance (μ)		17-21

Certificates and test reports

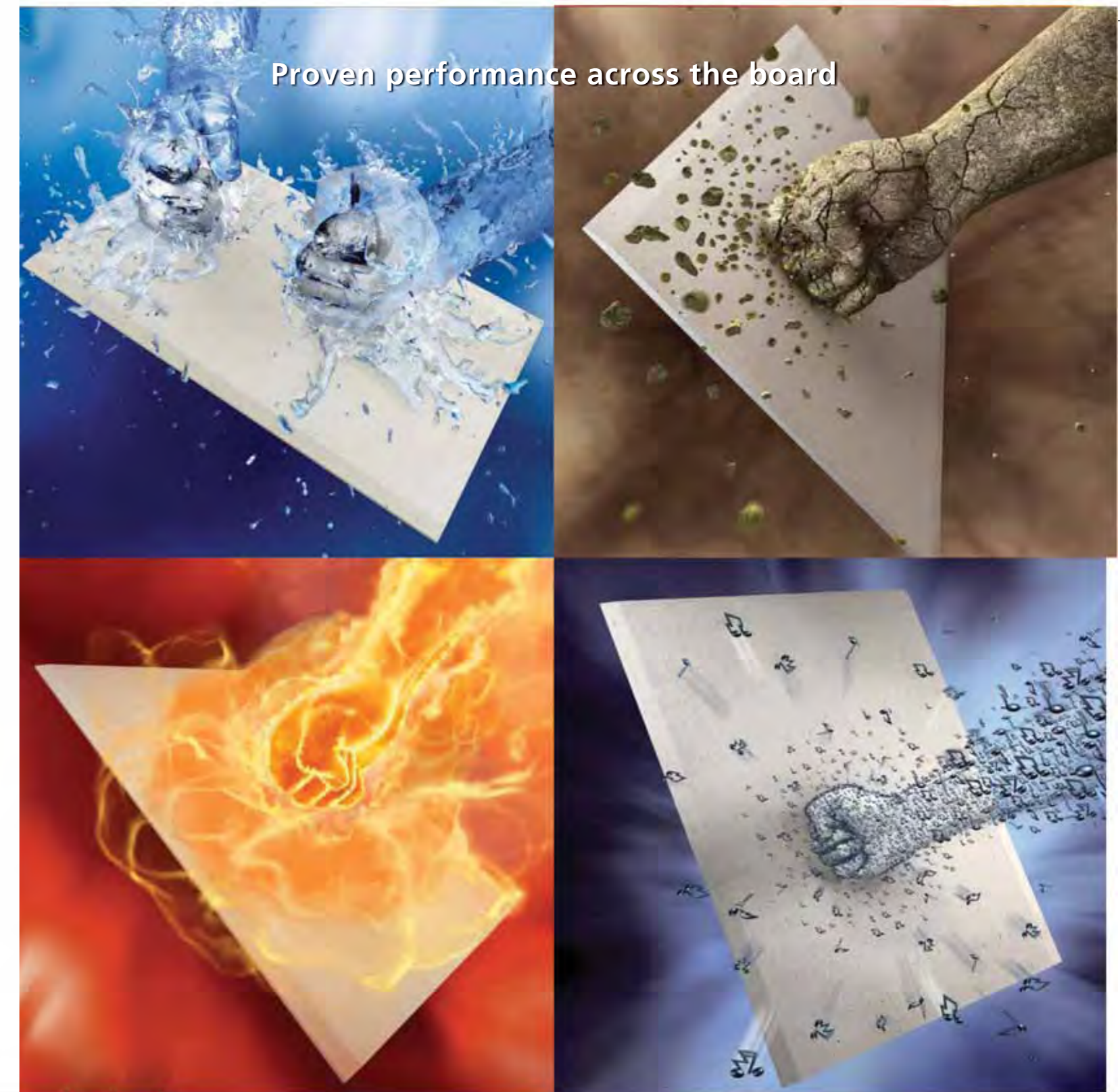
On request.

Patent pending

Hydropanel is patented worldwide (EP07108226.7).

Standards

Hydropanel meets EN 12467 standards.



Proven performance across the board

HYDROPANEL
4 INSIDE

Water, impact, fire & noise resistant.

Proven performances

The Hydropanel solution : exceptional proven performances



HOSPITALS

HOTELS - RESTAURANTS

PRIVATE HOUSING

COLLECTIVE HOUSING

OFFICES

INDUSTRIAL

ENTERTAINMENT CENTRES

SWIMMING POOLS

STORES

LABORATORIES

UNDERGROUND PARKING

...

Water resistant

Hydropanel does not deform, crack or disintegrate. It is rot-proof, freeze-proof and resists mould, bacteria, insects, vermin, etc. Hydropanel is a material that breathes.



Impact resistant

Hydropanel is very resistant to impact, during transport, installation and use. It reinforces the building structure and can support very heavy loads. Its high dimensional stability provides safety and comfort to users.



Fire resistant

Hydropanel is inflammable and inhibits fire propagation; it can be used in firewall configurations of up to 120 minutes.



Noise performance

Hydropanel offers real advantages to acoustic insulation systems: in floors, ceilings or walls, it significantly reinforces a room's sound insulation, which strongly enhances the comfort of the different spaces. Hydropanel optimizes available space.

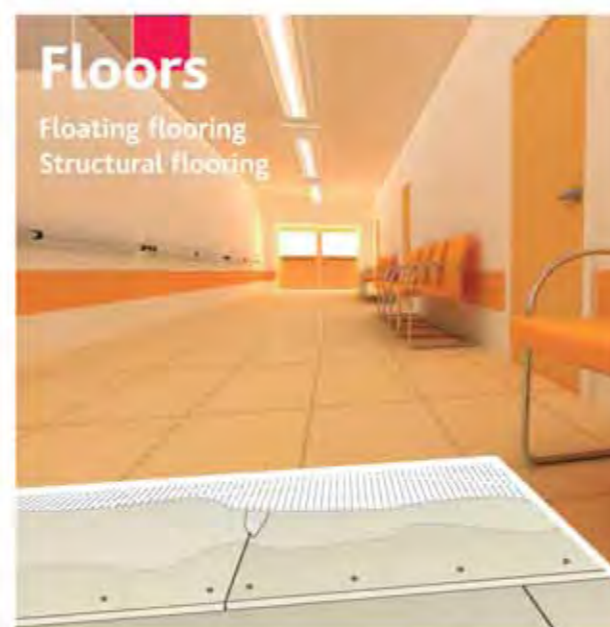


Discover the panel that will make your life easier

Hydropanel is a new dry construction panel whose innovative composition is the reason for its international patenting.

Hydropanel is a global solution adapted to wall, ceiling and floor applications whose performances give you dependability, simplicity and peace of mind, even in the most demanding situations.

For new construction and renovation, Hydropanel simplifies the lives of the designers, distributors and installers and delivers optimal performances to the user.



All inside

4 inside

	Walls	Ceilings	Floors
water resistance very low hygrical movement : perfect for wet rooms damp open freeze-proof rot and mould-resistant returns to its initial strength on drying after saturation	■	■	■
impact resistance resistance against shear forces resistance to heavy loads impact resistant (accidental shock) scratch resistant : no damage during transport and installation	■	■	■
fire resistances incombustible (A2, s1-d0) fire-proof partitions	■	■	■
noise resistance aerian noise insulation (RW) sound impact buffering (LW)	■	■	■

more inside

	Walls	Ceilings	Floors
material characteristics due to its fibre cement composition resistant to many chemicals resistant to bacteria, mould, insects, vermin, fungi, etc.	■	■	■
installation dry construction applicable on metal frame and/or wood frame complete system (panels, joints and accessories) fast building system (calibrated and smooth) easy to work with (cut and snap, sawing, screwing, etc.) possible finishings : painting, tiling, wall papering and rendering	■	■	■
large product range 8 panel sizes 3 thicknesses bevelled edges (for fillable joints) BE	6 sizes 9-12 mm BE & no BE	3 sizes 9-12 mm BE	2 sizes 6-9 mm no BE
environment in use : no harmful emissions process : environmentally friendly	■	■	■