



CENBRIT

Building Better Days

Helping you build better

Cembrit is one of the leading European manufacturers of multi-capability fibre-cement building products. Our products and solutions add exciting new design opportunities for moulding attractive, durable settings for people's lives.

But Cembrit is more than mere products. We also help make all kinds of design and construction projects easier – as well as more profitable, inspiring and effective.

And for us, all construction also involves building relations with people, making your day better, and helping you make the day better for others.

Making it a day to remember.



The buildings and structures that encase, enable and inspire our human activities – at work, at home and at leisure – are essentially a blank canvas.

Creating something that didn't exist before.





Your ideas

YOUR CHOICE

The buildings and structures that encase, enable and inspire our human activities – at work, at home and at leisure – are essentially a blank canvas. Creating something that didn't exist before.

The people who design, plan, engineer and build these structures have a huge range of materials, technologies and solutions at their disposal.

The more materials at your disposal, the greater the choice you have and the more you can achieve.

YOUR OPPORTUNITY

Cembrit multi-capability building products help you tackle all the mainstream surface protection requirements in modern buildings, with exceptional efficiency – and often at lower overall cost.

Cembrit products also open up important new design and engineering opportunities, providing you with ideal ways to blend materials, shapes, surface textures and colour in innovative, eye-catching configurations.

That are also cost-effective and client-friendly.

Cembrit solutions bring you maximum flexibility

Cembrit supplies a wide range of fibre-cement product solutions for facades and roofing. They are available as slates, corrugated sheets and flat boards and in a substantial range of colours, sizes, shapes and surface textures.

In addition to supplying the actual building materials, we provide complete installation systems as well as other related technical solutions for use in all sectors of the building industry.

We aim to help you maximise profit margins as well as keeping your customers satisfied.



POWER



GALAXIES

WINDOWS
??
??

2006

2006

2006



The multi-capability mix

EXCEPTIONAL CAPABILITIES

Thanks to their meticulously engineered fibre reinforcement, Cembrit boards are exceptionally thin and light in relation to their strength and remarkable resilience to almost all external conditions and impacts.

This remarkable lightness/strength mix enables architects, designers and engineers of all types of building structures to rewrite some of the basic equations for what's possible in terms of the outer envelope - whether vertical, horizontal or sloped. Outdoors or indoors.



Technical properties

Cembrit fibre-cement products all have qualities that make them ideal for design and construction projects where great combinations of attractive appearance and lightweight, long-lasting resilience are required.

IMPACT AND STAIN RESISTANT

The unique Cembrit combination of engineered fibres and cement means these products are relatively unaffected by the day-to-day impacts and stains associated with normal living and working environments. The Charpy Impact test has been used for all relevant Cembrit products.

WEATHER RESISTANT

Cembrit fibre-cement products are completely unaffected by sub-zero temperatures, snow, frosts and thaws, and by rain (even torrential downpours), heat, humidity and direct sunlight.





BIOLOGICAL RESISTANCE

Fibre cement features a high pH value that makes it exceptionally resistant to algae and bacteria attacks and the growth of moss, fungi etc. – even in conditions and climates where this is often considered a problem.

NON-COMBUSTIBLE AND FIREPROOF

All Cembrit fibre-cement products are non-combustible, and classified in accordance with the EN 13501-1 standard. It is chemically impossible for them ever to contribute to a fire.

IMPERVIOUS TO WATER

Fibre cement can absorb and release moisture for unlimited cycles without affecting the product's durability and service life. This makes Cembrit products ideal for external surfaces, particularly single skin constructions as well as in indoor wet room installations.

Design freedom

Cembrit facade products are used in innovative applications and complex structures by the most imaginative designers. You can adapt them to virtually any requirement, and they are an ideal colour-matched complement to all other standard building materials.

- Free choice between 61 standard colours and more than 2000 NCS® colours (facade boards only)
- Multiple colour intensities and surface textures (facade boards only)
- Pre-drilled holes and cut-outs, factory-cut with high-accuracy CNC cutting equipment
- Pre-drilled installation holes, arranged as required
- Bevelled edges and mitred corners, as required




Cembrit technology

THE FIBRE ADVANTAGE

Fibre-reinforced cement is an attractive, resilient construction material that's ideal for all kinds of exterior and interior protective surfaces.

The inclusion of meticulously researched, carefully engineered polyvinyl alcohol (PVA) and specially selected cellulose fibres into the cement-based material provides a unique combination of lightness, technical performance and exceptional strength. It also results in products that are remarkably robust and durable.

Cembrit's products are also guaranteed to meet industry requirements for cost-effective construction as well as long-term durability.



Our recipe for high-performance fibre-reinforced cement products

CEMENT (65–80%)

Mostly a mixture of burnt limestone and clay that sets and hardens when exposed to water

PVA (2%)

Engineered polyvinyl alcohol (PVA) fibres for reinforcement and to increase product strength, durability and flexibility

FILLER (10–25%)

Mainly passive (i.e. non-binding) materials (limestone, microsilica and recycled fibre cement, etc.) to make the mixture easier to process or to add specific properties

CELLULOSE (3–5%)

Wood fibres help strengthen the product as well as keeping it flexible, but are mainly used as a production process aid

WATER

The rest of the mix is water, added to get the process started



Manufactured for you

Traditional manufacturing thinking derives many of its benefits from the combination of a one-size-(hopefully)-fits-all approach and the resulting economies of scale.

Cembrit plants, on the other hand, are designed and configured to provide next-generation manufacturing capabilities – combining economies of scale with the individual customisation and variation opportunities resulting from digitally controlled machinery setups.

This means you can order facade boards cut, shaped, pre-finished, angled, drilled and coloured exactly as your design, construction or finishing plan requires and as your client wants.

If you prefer, you can – of course – cut them on site with virtually any hand tools or electrically powered equipment.

Cembrit factory	Type of products
Czech Republic (Beroun)	Slates
Czech Republic (Sumperk)	Corrugated sheets
Finland	Build and Indoor products
Hungary	Facade boards
Poland	Corrugated sheets

Together these plants currently have an overall annual output of 25+ million square metres.

We strive to have all our manufacturing facilities certified according to ISO 9001, 14001 and OHSAS 18001.

As we are constantly renewing and updating these, please go to cembrit.com for the current status on certifications.

Cembrit Group headquarters are in located Aalborg, Denmark, where all administration and R&D activities are located. Our customer service and technical support activities are decentralised to each of our national markets.



Optimised logistics

The product is one thing – just as important is how we get it to you.

We manufacture all Cembrit fibre-cement products at our own advanced, purpose-built factories in Europe. This gives us full end-to-end control of the entire supply, manufacturing and delivery logistics chain.

The result is that we can deliver Cembrit facade boards to your site in an optimally sequenced JIT flow. With the big cost-saving benefits of having everything packaged and itemised ready for quick, easy installation with a minimum of man-hours and near-zero waste.

Cembrit know-how

THE PEOPLE ADVANTAGE

Manufacturing systems, digital workflows and the technical capabilities of a product can only do so much.

Unfortunately, all of us can run into unforeseen circumstances and on-site practical glitches sooner or later. That's life.

That's when it helps to have experienced problem-solvers to call or email.

GLITCH-BUSTING GALORE

Here at Cembrit, fibre-cement building products are – and have always been – our sole focus. We've probably encountered most problems before, and if not we almost certainly know how to zap you the best possible fix or the most practical solution to whatever's bugging your project.

At Cembrit, there are 1,100 eager people in 20+ European countries ready to do what it takes to help you and your project succeed. Our customer service specialists are industry-renowned for their stellar glitch-grinding.

We help make your day better.





Advice, service, complaints and recycling

WE SELL KNOW-HOW

Without the backup of know-how a product is nothing. What we *really* sell is Cembrit know-how – how to help you achieve more by using fibre-cement products. To benefit your business, and to keep your clients – and *their* clients, tenants and users – happy.

We make our know-how freely available – and free of charge – to our customers.

CO-CREATING THE BEST SOLUTIONS

If you have any ideas, questions or quandaries about the possibilities for using our multi-capability fibre-cement solutions in your project, just go direct to the source and get in touch with Cembrit experts.

We're ready and able to work with you to find a solution to your particular project. Cembrit technology and know-how open up project-saving opportunities and cost-saving solutions you may not yet be aware of.

INSTALLATION ISN'T THE END

Installing any form of outer surface or weather protection on a building or structure isn't the end of the story.

Regardless of how tough Cembrit products are, there'll always be breakages and unforeseen circumstances will arise. Most buildings end up being modified, repurposed or extended at some point.

Cembrit experts can help you deal with just about any post-installation contingency. Just get in touch.



WARRANTIES AND COMPLAINTS

All Cembrit products are covered by appropriate national warranties. Please get in touch with your local Cembrit organisation if you or your clients consider there are any issues about Cembrit products. We'll resolve those issues and find the best way to deal with the situation to your satisfaction.

The same applies to any complaints or post-delivery or post-installation issues you may have. Cembrit is renowned for exceptional customer service.

RECYCLING/REMEDIATION/DISPOSAL

Cembrit fibre-cement products which are designed to last the life of the building.

We're well aware that they have a service life – probably a long one. Often anywhere from 50 years upwards. Eventually they need to be removed and disposed of – and preferably recycled – responsibly.

Disassembly

Cembrit fibre-cement products can be removed in a nondestructive way by simply removing the mounting screws.

Re-use

Depending on their original use, any removed products can often be re-used and re-installed – provided they are undamaged.

Open-loop recycling

If mono-material separation is available, uncoated as well as coated fibre-cement products are suitable for recovery and re-use as padding and filling material in applications that include underground engineering works, road construction and anti-noise barriers (material re-utilisation).

Closed-loop recycling

If mono-material separation is available, uncoated as well as coated fibre-cement products can be re-pulverised and recycled for use as an additive in the production of new fibre cement (material recycling).

Disposal

Cembrit fibre-cement products bear the 170101 (Concrete) waste code from the European Waste Catalogue. This means remnants of fibre-cement products as well as residue and waste from on-site disassembly and demolition can be deposited in Category I waste disposal facilities without difficulties or pre-treatment, due to their largely mineral content.





What we really sell is Cembrit know-how – how to help you achieve more by using fibre-cement products.

To benefit your business, and to keep your clients – and their clients, tenants and users – happy.

Certified standards

CERTIFICATION COUNTS

In modern building projects, the materials chosen are rarely just a question of cost or off-the-shelf convenience.

It's increasingly important to be able to specify and source environmentally responsible materials that are accompanied by documented compliance with national and/or international standards.

STANDARDISED COMPLIANCE

Cembrit fibre-cement building products are available with all the standard ranges of internationally recognised certifications, including (as a few examples):

- ICC-ESR (ICC)
- Zulassung (DIBT)
- BBA Agrément certificate (BBA)
- Teknisk Godkjenning (SINTEF)
- P-Märkning (SP)
- MK (ETA Danmark)
- QB certificate (QB/CSTB)
- EN15804 Environmental Product Declarations (IBU and BRE)

CUSTOMISED COMPLIANCE

If you or your clients need other specific forms of certification – such as compliance with particular national standards or specific environmental impact requirements – you simply have to contact the Cembrit R&D experts.

They'll take it from there.

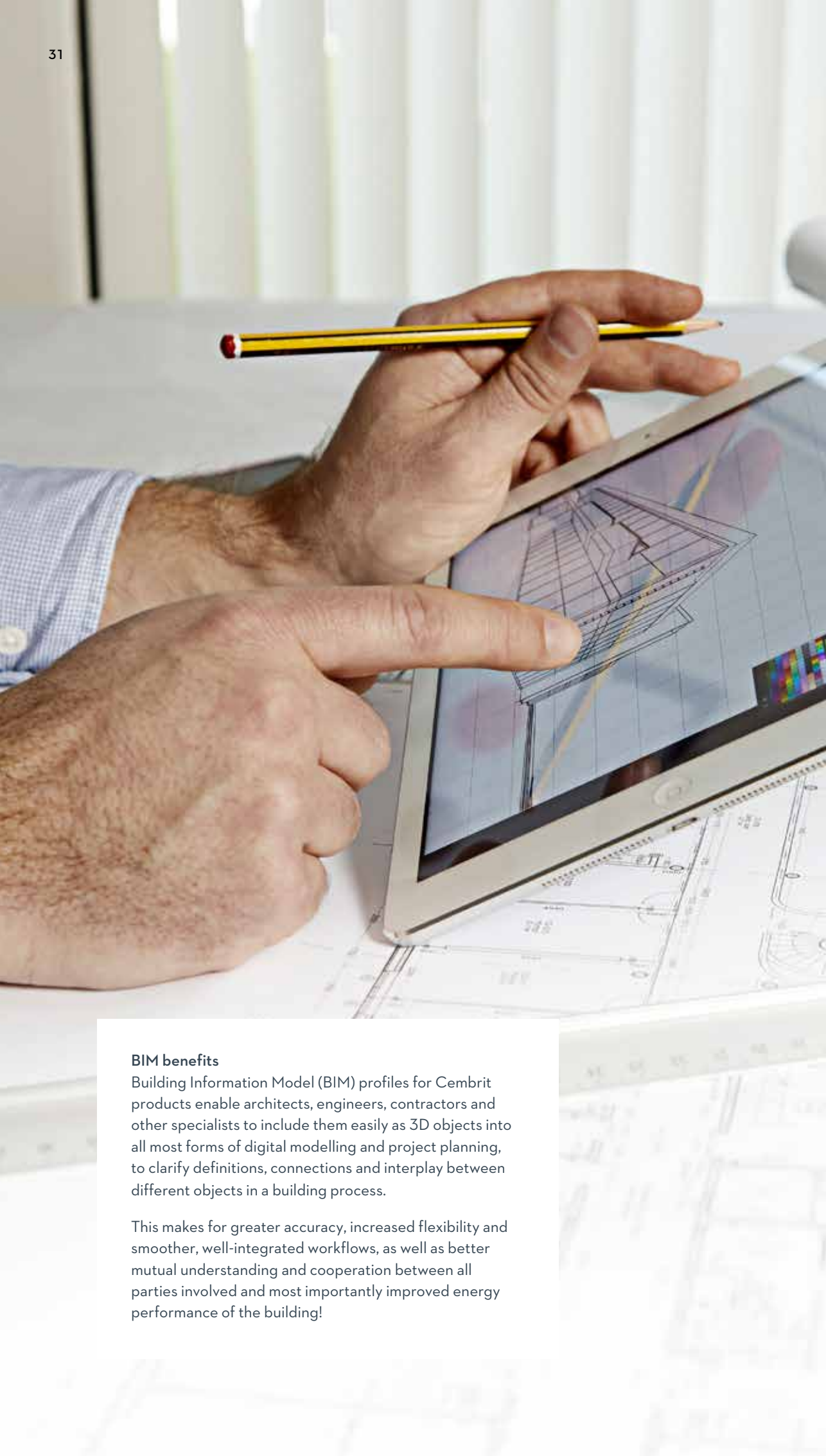
The same applies if you need special products to help your project comply with new and as-yet unfamiliar standards. Or standards as yet just on the horizon.

DIGITAL DOCUMENTATION

All certification and compliance documentation is, of course, available to you, your colleagues and your clients in easy-to-use digital formats.

So, too, are the results of all the testing and trials work that Cembrit has undertaken to explore and document the capabilities of Cembrit products.



**BIM benefits**

Building Information Model (BIM) profiles for Cembit products enable architects, engineers, contractors and other specialists to include them easily as 3D objects into all most forms of digital modelling and project planning, to clarify definitions, connections and interplay between different objects in a building process.

This makes for greater accuracy, increased flexibility and smoother, well-integrated workflows, as well as better mutual understanding and cooperation between all parties involved and most importantly improved energy performance of the building!

Digital backbone

FROM PRODUCT TO PROCESS

The days of “dumb” building products, hit-and-miss deliveries and cluttered, chaotic construction sites are long gone. Or should be.

And they are – or soon will be – all seamlessly linked in a cost-effective, digitally managed design and construction flow configured to provide the exact, as-specified product delivered on site at a pre-arranged place and time, packaged in factory-customised, ready-for-installation sequence.

THE MANUFACTURING ADVANTAGE

Cembrit manufacturing facilities in the Czech Republic, Finland, Hungary and Poland feature advanced push-pull line configurations with full digital control, with associated benefits of short throughput time and stringent quality assurance procedures.

A key capability provided by the latest-generation technology in Cembrit manufacturing facilities lies in 3D CNC cutting. This means you can order fibre-cement products pre-cut in virtually any shape, and also with any irregularities, cut-outs and inserts your design or your client requires.

Getting all this done in the factory – under carefully controlled indoor conditions and using precision cutting machinery – provides substantial onsite savings on tools, manpower and machinery, as well as on handling space and waste.

Everything can be delivered ready for immediate installation – pre-cut, pre-drilled and pre-finished – as soon as it arrives on site.

LEVERAGING LOGISTICS - PACKAGED TO FIT

Effective – and seamless – digital management of Cembrit manufacturing, packaging and logistics also provides you, your clients and your sub-contractors with a significant efficiency boost. This can mean direct savings on costs.

We can package Cembrit products pre-finished, itemised and in installation-ready sequence. This means they're ready for rapid, straightforward workflows with minimal on-site trimming and adjustments.

This helps ensure near-zero waste, as well as drastically reducing on-site man-hours and all the associated costs for cutting equipment, machinery and moving/storage.

Cembrit logistics planning also means we can deliver the exact materials required to the planned point on any construction or refurbishment site, on time, in the right order and in sequenced, ready-to-install packages. This results in big on-site benefits and as well as reducing costs.





LONG-TERM SECURITY

In the increasingly digital world of the future, traceable product IDs will be correspondingly important for any future improvement and rebuilding work, as well as for end-of-life demolition and disposal procedures.

If you can quickly and easily identify the products and components in the building you're responsible for, or in which you work or live, it becomes easier to replace any breakages and repair any defects – if and when necessary.





You can choose between flat boards, fibre-cement slates and corrugated sheets, and there are colours, sizes, shapes and surface textures to help you achieve pretty much anything.



A question of choice

FROM PRACTICAL TO PRETTY

The many practical, cost-saving and aesthetic benefits of Cembrit fibre-cement products result in their widespread use in all sectors of construction – industrial, agricultural and residential – in new structures as well as refurbishment projects.

The unique combination of technology and exceptional know-how behind Cembrit products provides you with unique opportunities for outstanding solutions that combine aesthetics and robustness.

Cembrit products are among the best on the market in terms of quality and durability, and provide you with a comprehensive selection of colours, structures and textures to choose between – so you can balance the many different parameters for design, cost and building code technical requirements.

SOLUTIONS FOR EACH PROJECT

Cembrit supplies a wide range of fibre-cement product solutions for facades and roofing as well as other innovative applications.

You can choose between flat boards, slates and corrugated sheets, and there are colours, sizes, shapes and surface textures to help you achieve pretty much anything – whether in terms of subtle elegance, design wackiness or down-to-earth practicality. The choice is yours.

In addition to supplying the actual building materials, we provide complete installation guidance as well as other technical solutions for use throughout the building industry. We aim to help you maximise profit margins as well as keeping your customers satisfied.



Shared know-how

Technical know-how and practical experience with how best to apply that know-how make it possible to bring product capabilities to new levels.

We make our know-how freely available to help you achieve more in every aspect of your design and construction projects. To benefit your business, and to keep your clients – and their clients, tenants and users – satisfied.

Cembrit know-how can help you

- Win tenders
- Reduce construction costs
- Solve technical challenges
- Overcome traditional design limitations

Cornucopia of colour

COLOURS BY THE THOUSANDS

For facade boards, you can choose between no fewer than 61 standard and more than 2000 Natural Colour System (NCS®) colours. Textured finishes and multiple colour intensities and are also available.

For architects and designers, this adds up to an unprecedented visual bonanza, and much greater leeway for effective colour matching as well as a wealth of design contrasts.

How you and your clients benefit

- A much wider design palette
- Thousands of possible colour combinations
- Multiple mix effects
- Openings for new materials in new contexts

Customised for each project

CUSTOMISED TO ORDER

The versatility and effectiveness of Cembrit manufacturing means you can choose to customise the fibre-cement boards you specify for your projects in pretty much any reasonable way.

Cembrit roofing products are available in numerous shapes and formats customised to the exact needs, preferences and regulations associated with the different regional building traditions across Europe.

We can also customise Cembrit facade board products to mesh perfectly with your design ideas in terms of colour, shape and cut-outs as well as with project-specific measurements.

We can also prepare Cembrit products for rapid, easy installation with predrilled holes and project-specific packaging.





Mixing the magic

EXTRA DIMENSIONS OF VISUAL EFFECTS

Cembrit products provide you with extra dimensions of colour, structure, patterning and texture in building finishes – inside and out. They can be used for virtually any type of surface protection requirements.

This gives you maximum leeway for mix'n'matching from a vast palette of possible visual effects, with Cembrifibre-cement boards as an ideal element for adding dramatic new scope to virtually any materials mix.

How your and your clients benefit

- Greater design freedom
- Much greater customisation opportunities
- High degree of design individualisation possible, even within high-density projects





Minimal maintenance mojo

IMPERVIOUS TO MOST THINGS

The materials in Cembrit fibre-cement products result in a high pH value that's particularly effective in minimising all kinds of growth and organic discolouration.

They're also exceptionally weather resistant and impervious to water – and never need paint, varnish or other surface treatments.

How you and your clients benefit

- Only a bare minimum of maintenance needed
- Low operating/maintenance costs
- Long service life
- Less visual degradation over time



Cost-effective construction

MORE WITH LESS

Cembrit fibre-cement products can be used as either primary or secondary surface protection solutions. They are normally mounted on standard low-cost ventilated support frameworks made of timber, steel or aluminium.

For many projects, this can be a particularly cost-effective way to protect some or all of the outer (or even inner) surfaces of a building, helping achieve high strength and resilience with surprisingly thin boards that weigh very little.

How you and your clients benefit

- Low overall construction costs
- Low installation and installation cost per square metre of surface protection
- Low maintenance costs

Logical logistics

MORE WITH LESS

We can package Cembrit products pre-finished, itemised and in installation-ready sequence. This means they're ready for rapid, straightforward workflows with minimal on-site trimming and adjustments.

This helps ensure near-zero waste, as well as drastically reducing on-site man-hours and all the associated costs for cutting equipment, machinery and moving/storage.

Cembrit logistics efficiency also means delivery of the required materials to the planned site location, on time, in the right order and in sequenced, ready-to-install packages. This results in practical on-site benefits and as well as lower costs.







Digitally transitioned

DISRUPTION IS THE NEW NORMAL

Many traditional industries are being up-ended – or even shut down.

We have already successfully transitioned Cembrit products so they can serve effectively in modern, digitally managed workflows for design, planning and construction.

How you and your clients benefit

- Smooth, well-integrated workflows that help reduce project costs
- Fewer errors and less waste, helping reduce overall construction costs
- Less manpower, machinery and tools needed on site, paving the way to lower installation costs

Let's build better days

The one question people everywhere
tend to ask is: "*How was your day?*"

What we did and how we felt
are important for all of us.

There are good days and normal days,
challenging days and days to remember.
For you as an architect, designer, engineer,
technician or builder, and for all those people
who have to spend their days in the structures
you've had a hand in designing or building.

So let's go for more good days
- and for making them better together.





CENBRIT
Building Better Days

cembrit.com