



Excellence Without Limits For Life



www.metaendustri.com.tr







META

ENDÜSTRİ

## **For Life**

We manufacture fibercement products to promote the creation of healthier structures and safer facades.

# Always

Striving for better, we embrace the latest technological advancements and guide our customers in their application



# **Aiming at Excellence**

We consistently produce top-quality products for the industry, by using the highest quality raw materials in the production of fibercement products.







# **About Us**

As META Endüstri, we manufacture products designed to create architecturally aesthetic and robust structures, drawing strength from our capacity to pioneer technological innovations.

We lead the sector with our products, known their superior durability and high-quality standards. Our production, equipped with the latest technology, coupled with our commitment to following industrial developments, ensures reliability and professional service.

# Always aiming at excellence to rise!



# META ENDÜSTRİ High Quality Standards

Quality is our priority at every stage, and we commit to delivering excellence to our customers. As Meta Endüstri, we manufacture the highest quality fibercement products in the industry, adhering to MHQS.

Meta Endüstri meticulously crafted quality standards proudly bear this seal! Ensure not to purchase any BAUNORM product lacking the MHQS seal.



# **Our Standards Are World Class**

We consistently maintain high standards and keep our company policies updated by staying abreast of global trends.

Embracing Endüstri 4.0, we are advancing towards the future swiftly and securely. Its contributions to production efficiency and indirect benefits to the environment propel us forward..



### Durability

BAUNORM boards exhibit excellent resistance to extreme weather conditions and flames.

They sustain this high performance in the long term due to their outstanding resistance to heat, humidity, wind, and sunlight.

### **Eco-friendliness**

BAUNORM boards are designed to have a minimal impact on the environment both during the production process and throughout their lifetime.

Incorporating recyclable products into the production process reduces our carbon footprint and contributes to building a better future.



### **Flexible Design Options**

BAUNORM boards can be provided in various colours, textures, and sizes. This feature enables architects and designers to achieve the desired aesthetic effect.



### Low Maintenance Requirement

BAUNORM boards are exceptionally easy to maintain. They save both time and costs since they do not require painting or similar maintenance operations for many years.



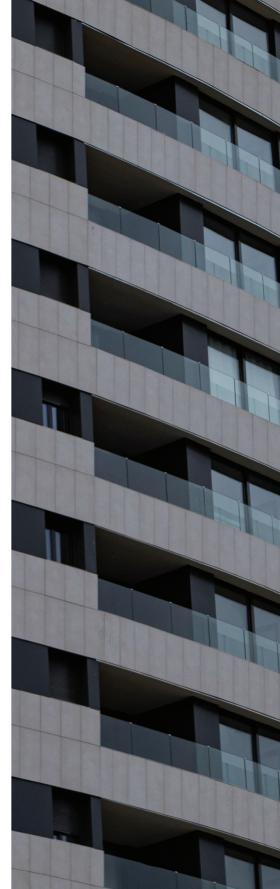
#### **Fire Resistance**

BAUNORM exhibits exceptional resistance to flames. This adds an extra layer of security to buildings.



### Lightness

BAUNORM boards are lightweight while offering durability and resistance properties. This simplifies the assembly process and lowers transportation costs.





### Moisture Resistance

BAUNORM is highly resistant to water and moisture, safeguarding structural health and preventing potential water damage along with associated mold and mildew issues.

## Ourable and Long Lasting

BAUNORM boards are suitable for long-term use, thanks to their superior durability properties. When installed and maintained correctly, BAUNORM boards offer years of reliable service.

## Reduces The Construction Duration

The swift and effortless installation process of BAUNORM boards dramatically reduces construction time, accelerating project completion and effectively reducing labor costs.

# **Resistance to Biological Wastes**

BAUNORM fibercement boards exhibit superior resistance to natural waste from organic livestock farming activities. This quality makes it ideal for use in such facilities, directly contributing to sustainable agricultural practices.

## Sound and Heat Insulation

BAUNORM fibercement boards helps sound and heat insulation, serving not only as a building material but also as part of a holistic system. Get ready for a comfortable living space with BAUNORM.



## Healthy Product

BAUNORM fibercement products are free from asbestos and other harmful chemicals. This prioritizes human health while also safeguarding nature.



# Scope of The Application

BAUNORM Fibercement Boards, renowned for their superior performance, offer comprehensive solutions across various structural requirements, owing to their distinctive attributes. Some application areas are as follows:

#### **Exterior claddings:**

BAUNORM fibercement boards have applications on exterior facades with both ventilated and airless systems, using various mounting and fixing types. BAUNORM fibercement boards offer outstanding fire resistance, suppets heat and sound insulation, can be water repellent, freeze-thaw resistance, and protection against bacteria and mold formation. In Addition, they enhance the visual appeal of exterior facades with a diverse range of surface finishes, including sleek plain designs, authentic wood textures, classic stone patterns, and rustic brick appearances.

#### Interior coverings:

Beyond providing aesthetic diversity in interior spaces, BAUNORM fibercement boards find countless applications due to their features, including superior fire resistance,

applications due to their features, including superior fire resistance, heat and sound insulation, water repellency, and protection against bacteria and mold formation.

#### Partition element in the wet areas:

BAUNORM fibercement boards serve as partition elements in wet areas due to their waterproof, moisture-resistant, and fire-resistant structures. Fibercement boards can offer both safety and hygiene in wet areas.

#### Suspended ceiling:

Fibercement boards are also employed as suspended ceilings. Fibercement boards in suspended ceilings offer advantages such as fire resistance, heat, and sound insulation, along with as well as water repellency. Furthermore, fibercement boards enhance the aesthetic appeal of suspended ceilings with color and pattern options. Fibercement boards can enhance both the functionality and aesthetic beauty of your suspended ceilings



#### In terms of the raised floor:

BAUNORM Fibercement boards are used as raised flooring in special projects, due to their high strength, fire resistance, water resistance, moisture resistance, and impact resistance. Fibercement boards offer both practicality and variety to raised floors.

#### **Elevator and Building Shafts:**

BAUNORM Fibercement boards are an excellent choice for shaft manufacturing, prioritizing durability. They boast A1 class fire resistance, high strength, and resistance to water and moisture. In addition, fibercement boards contribute aesthetically to buildings, offering different color and pattern options in elevator shafts. Fibercement boards offer both safety and compatibility for elevator shafts.

#### **Light Steel and Prefabricated Structures:**

BAUNORM Fibercement boards find applications in nearly every aspect of steel in prefabricated structures, not only for their aesthetic performance but also for their superior strength properties.

#### **Containers:**

BAUNORM Fibercement boards are integral to virtually every facet of container projects, delivering unmatched strength properties while also enhancing aesthetic appeal.

# **Application Areas**

BAUNORM Fibercement Boards, with their superior performance, provide excellent solutions in every aspect of the structure due to their outstanding features. Some application areas are as follows:

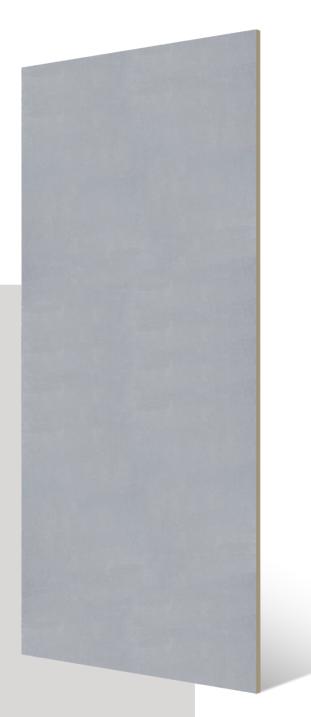
- In dry wall system
- Ventilated faceds syten
- In suspended ceiling panel coverings
- In interior spaces, stores, galleries, showcases and studios (for decoration purposes)
- Under ceramics and plaster (as backer board)
- Patterns are processed on CNC (for decorative purposes)
- In fire doors and escape corridors
- In firebreak wall construction
- On mezzanine floors, load-bearing floors, and floor elements
- In roof covering bottom board coverings
- In raised floor slab coverings
- On the walls of elevator shafts and fire escapes
- Animal shelters, floors, and walls
- In greenhouse cultivation, on floors and walls
- Under the eaves and at the eaves of the building
- In the production of jamb accessories on the door and window edges
- In floor, wall, and ceiling applications of prefabricated buildings
- As bottom plate on billboards
- In the construction of construction site perimeter fences
- May be used as coating in electrical transformers
- In highway noise borriers





# Fibercement Always Aims at Excellence

BAUNORM new generation fibercement board is a cutting-edge fiber-reinforced autoclaved cement board produced using Hatschek technology in Meta Endüstri state-of-the-art production facility.







Fiber-reinforced, durable, and high-performance building material.



Fire-resistant A1 class building material.



Offers versatile applications on both interior surfaces and exterior facades.



Environmentally friendly.



Provides aesthetic and contemporary options. Allows the building facades to achieve the desired design.

# **Technical Features**

Standard Dimensions	1250 x 2500 mm, 1250 x 2800 mm, 1250 x 3000 mm
Thickness	6, 8,10,12,14,16,18, 20 mm
Length/Width Tolerance	± 5 mm
Thickness Tolerance (e: plate thickness)	Plain: ± %10 e
Deviation from the Right Angle	± 2 mm/m
Color	Natural
Smoothness of the Edges	± % 0,1 a (a: edge length)
Surface Appearance	Plain
Density	~ 1300±50 kg/m <sup>3</sup>
Flexural Strength (Minimum)	~ 14,5 N/mm² (longitudinal); ~ 9,5 N/mm² (transversal)
Freezing Strength	Frost-resistant as per TS EN 12467.
Waterproof	Waterproof as per TS EN 12467
Fire Resistance	Fireproof, class A1 as per EN 13501-1
Asbestos Content	Asbestos-free (NT type board)
Other Harmful Substance Emissions	No emissions of harmful substances or gases
Coefficient of Heat Expansion	at = 0,0045 mm/mK
Thermal Conduction Coefficient	$\lambda = 0,18 \text{ W/mK}$
Water Absorption Rate	< % 25
Board Humidity Rate in Stock	< %8 (depending on atmospheric humidity)
Water Impact	0,45 mm/m (at full saturation)
	1

# **BAUHOLZ**

# Naturalness Always Aims at Excellence

BAUHOLZ new generation fibercement Board is an innovative fiber-reinforced autoclaved cement board with a wood-patterned surface. It is produced using Hatschek technology in Meta Endüstri state-of-the-art production facility.







Fiber-reinforced, durable, and high-performance building material.



Fire-resistant A1 class building material.



Offers versatile applications on both interior surfaces and exterior facades.



Environmentally friendly.



Provides aesthetic and contemporary options. Allows the building facades to achieve the desired design.

# **Technical Features**

Standard Dimensions	1250 x 2500 mm
Thickness	8,10,12 mm
Length/Width Tolerance	± 5 mm
Thickness Tolerance (e: plate thickness)	-%10e/+%15e
Deviation from the Right Angle	± 2 mm/m
Color	Natural
Smoothness of the Edges	±%0,1 a (a: edge length)
Surface Appearance	Wood Patterned
Density	~ 1300±50 kg/m <sup>3</sup>
Flexural Strength (Minimum)	~ 14,5 N/mm² (longitudinal); ~ 9,5 N/mm² (transversal)
Freezing Strength	Frost-resistant as per TS EN 12467
Waterproof	Waterproof as per TS EN 12467
Fire Resistance	Fireproof, class A1 as per EN 13501-1
Asbestos Content	Asbestos-free (NT type board)
Other Harmful Substance Emissions	No emissions of harmful substances or gases
Coefficient of Heat Expansion	at = 0,0045 mm/mK
Thermal Conduction Coefficient	λ = 0,18 W/mK
Water Absorption Rate	< % 25
Board Humidity Rate in Stock	< %8 (depending on atmospheric humidity))
Water Impact	0,45 mm/m (at full saturation)

# **≸BAU**SIDING <sup>□</sup>

# Beauty Always Aims at Excelence

BAUSIDING new generation fibercement Board is a cutting-edge fiber-reinforced autoclaved cement board produced using Hatschek technology in Meta Endüstri state-of-the-art production facility.





Fiber-reinforced, durable, and highperformance building material.



Fire-resistant A1 class building material.



Offers versatile applications on both interior surfaces and exterior facades.



Environmentally friendly.



Provides aesthetic and contemporary options. Allows the building facades to achieve the desired design.

# **Technical Features**

Standard Dimensions Are Used in Sizing Based on the Relevant Project.
8,10,12 mm
± 5 mm
± %10 e (BAUNORM), - %10e / +%15e ((BAUHOLZ)
± 2 mm/m
Natural
± % 0,1 a (a : edge length)
Wood Patterned, Plain
~ 1300±50 kg/m <sup>3</sup>
~ 14,5 N/mm² (longitudinal); ~ 9,5 N/mm² (transversal)
Frost-resistant as per TS EN 12467.
Waterproof as per TS EN 12467
Fireproof, class A1 as per EN 13501-1
Asbestos-free (NT type board)
No emissions of harmful substances or gases
at = 0,0045 mm/mK
$\lambda = 0.18 \text{ W/mK}$
< % 25
< %8 (depending on atmospheric humidity)
0,45 mm/m (at full saturation)





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