

# CIMENTO®



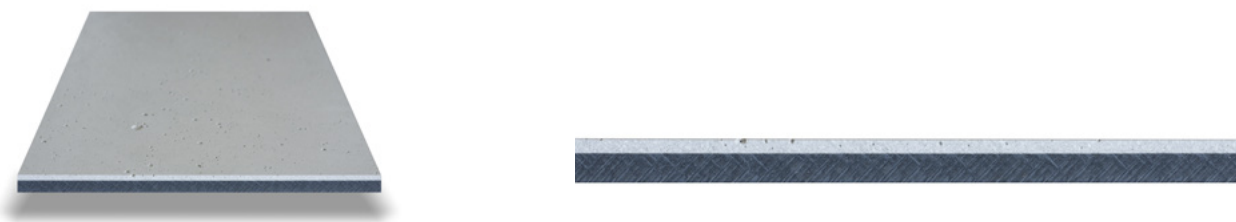
CIMENTO® RIALTO

Product data sheet

 **EPD**  
INTERNATIONAL EPD SYSTEM

## Description

**CIMENTO® RIALTO** panels are a modern building material composed of natural and environmentally friendly materials. The panels for rear-ventilated façades are composed of a fiber cement plate that acts as a support for the **CIMENTO®** finish.



Upper and lateral view **CIMENTO® RIALTO**

## Intended use

The **CIMENTO® RIALTO** panel is intended for use in the building / architectural field for the construction of ventilated façades

## Characteristics of CIMENTO® PANELS for interior applications

**CIMENTO® RIALTO** are available in a standard size and can be supplied cut to the customer's project specifications.

dimensions	weight	thickness
1200x1200 mm	24,48 kg	11 mm
2450x1200 mm	49,98 kg	11 mm
3000x1200 mm	61,2 kg	11 mm
custom	17 kg/mq	11 mm

## Available finishes and colours

**CIMENTO® RIALTO** are available in a wide range of standard finishes and colours obtained through the use of natural pigments, which provide high colour stability in light.

Standard colours and finishes can be found in the SURFACES catalogue, which can be downloaded from **[www.cimento.tech](http://www.cimento.tech)**.

Other colours are available on request. Please contact the **CIMENTO®** Sales Department.

## Remarks

The installation must be carried out by personnel specialized in the installation of ventilated façades, anchoring the panels to the underlying structure following the installation scheme as specified by the project

**CIMENTO® RIALTO** can be easily worked with common tools. It is recommended to use blades, discs, abrasives, etc. in suitable material (eg diamond blades).

**Cleaning and maintenance**

Do not use chemicals, abrasive cleaners, solvents, and polishing products. The **CIMENTO®** surface is treated with a protective system that prevents the penetration of dirt, be it dry, wet, or greasy, and facilitates cleaning operations.

However, the characteristic coexistence of smooth and porous parts requires some simple precautions during ordinary cleaning. It is important to prevent dirt and deposits from being moved and accumulating in the porous portions, especially in the case of moist or greasy substances.

For routine maintenance we recommend the following operations, to be carried out in the specified:

1. Preliminarily remove all dry deposits with a vacuum cleaner equipped with a soft bristle brush, to remove dust and solid residues from both smooth and porous areas of the surface;
2. Rub the surface with a dry microfibre cloth or moistened with water, then dry, if necessary, with an additional clean and dry microfibre cloth to avoid leaving marks;
3. If the surface comes into contact with staining substances, act on the affected area with a cloth moistened with ammonia solutions or similar products (avoiding degreasers that require abundant rinsing) then dry with a clean, dry cloth. Do not use aggressive acid-based, solvent-based, or abrasive agents.

**Any variations with respect to the sample are not to be considered defects but as a characteristic of the product and its manual processing which can cause variations in tone. Therefore, Sai Industry srl does not assume any responsibility in case of variations; they are not to be considered defects and are not covered by warranty, in particular for products purchased at different times.**

For detailed information on installation, design and maintenance, please refer to the appropriate manuals. Whenever needed contact the **CIMENTO®** sales office.

**Substrate Cembrit Patina fibrocement panel th. 8mm - CIMENTO® finishing and hidden fixing system**

TECHNICAL FEATURES	TEST REFERENCE	EVALUATED PARAMETER		OUTPUT
Thickness	Inside test	Avarage thickness of the fibrocement slab + <b>CIMENTO®</b> finishing		10.5± 1 mm
<b>CIMENTO®</b> finishing density	Inside test	<b>CIMENTO®</b> finished fibrocement avarage weight for sqm		17 kg/m²
Fire Reaction Class	UNI EN ISO 13501-1:2019	Fire reaction class fo the fibrecement panel with <b>CIMENTO®</b> finishing		A2 - s1, d0
Wind suction test	EAD 090062-00-0404:2018	Test of the panel resistance, taking in consideration the fixing system and the substructure, in case of negative pressure		3200 Pa
Impact resistance test	EAD 090062-00-0404:2018	Soft body - 3 kg	Sample condition after an impact at 60J	No alteration
			Use category	I
		Soft body - 50 kg	Sample condition after an impact at 300J	Slab breaking
			Use category	n/a
		Hard body - 500 g	Sample condition after an impact at 3J	No alteration
			Use category	I
		Hard body - 1000g	Sample condition after an impact at 10J	Little indentation
			Use category	I
Static load resistance	EAD 090062-00-0404:2018	Surface condition after a 500N load application		No alteration
Frost resistance	UNI EN 12467:2018	Sample condition after 100 cycles		no visible alteration
Salt spray test	UNI EN ISO 9227:2017	sample confiton after 720 h in the chamber		no visible alteration
Mechanical resistance of hidden fixing system	Inside test	Pull out of the bush anchored into the undercut hole with epoxy resint (LOCTITE EA 9497)		2460 N
		Pull out of the bush mechanicalli ancored int the undercut hole without any resin		451 N

**Cembrit Patina fibrecement panel th. 8mm**

TECHNICAL FEATURES	TEST REFERENCE	EVALUATED PARAMATER	OUTPUT
Thickness	UNI EN 12467	Avarage thickness per slab	8 mm ± 0,8 MM
Density	UNI EN 12467	Avarage density with dry slab	1550 kg/m <sup>3</sup>
Weight	-	sqm weight, including 10% moisture	12.4 kg/m <sup>2</sup>
Flexural modulus	UNI EN 12467	E-module along grain (ambient - wet)	12-9 GPa
		E-module accross grain (ambient - wet)	14-11 GPa
Bending Strength	UNI EN 12467	E-module along grain (ambient - wet)	22-18 MPa
		E-module accross grain (ambient - wet)	35-27 MPa
Coefficient of thermal expansion	-	Thermal linear expansion	0.01 mm/m.°C
Hygrometric expansion	UNI EN 12467	dimension variation with environment residual humity between 30 and 90%	0,08%

Expoxy resing LOCTITE EA9497

TECHNICAL FEATURES	TEST REFERENCE	EVALUATED PARAMATER	OUTPUT	
Mechanical resistance	ASTM D 412	Tensile Strength	52.6 N/mm²	
		Tensile Modulus	2420 N/mm²	
		Resistenza compressione	112.5 N/mm²	
		Elongation	2,90%	
	ASTM D2240	Shore Hardness, Durometer D	83	
	Iso 4587	Lap Shear Strength, Stainless Steel	9 N/mm²	
Proprietà termiche	Iso 11359-2	Glass Transition Temperature	67 °C	
Thermal resistance	Inside test	% of full strength at temperature	50°C	90%
			70°C	60%
			100°C	30%
			160°C	20%
			200°C	20%

# CONTACTS

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Rev. 23mag2025

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