



C I M E N T O®

PLANKING CIMENTO® Fibercement - FBC

ST03ver.1.7EN
24/08/15

pag. 1 di 4



1. COMPOSITION

CIMENTO® Planking Panelling has the following composition:

- Fibre-cement flat sheet - ETERBOARD HD;
- finish **CIMENTO®** Planking: concrete based mixture, 90% of its weight is made of cement powder and water, natural elements like oxides, calcium, silicon, aluminium, iron, magnesium, phosphates. It does not pass through any painting processes.

2. PRODUCTION PROCESS

CIMENTO® is produced in an industrial process offering a constant control of any wastage, which is then recycled and reintroduced into the productive cycle. This minimises waste, providing high efficiency while respecting the environment.

3. WEIGHTS, DIMENSION AND STANDARD TOLERANCES

The **CIMENTO®** finish weighs 2 Kg/m², the weights below are related to the substrate plus finish:

CIMENTO® thickness varies from 2÷3 mm.

Attention: for big size panels the thickness could vary from 2÷4 mm.

Thickness (mm)	8 mm (FBC) + 2÷3 mm (CIMENTO®)
Weight (kg/mq)	18,20

Sizes (mm)	Weight (kg/panel)
2450 x 120	4,97
2450 x 160	6,62
2450 x 200	8,28

FBC Support

Tolerances	Compliance to EN 12467 (Level 1)
Thickness	+/- 12%
Length e width	0,2 mm
Orthogonality	0,2 mm

Thicknesses, sizes, and different substrates are subject to minimum volumes. Please contact SAI Industry for further information.

4. COLOURS

CIMENTO® Vibrated finish can be coloured with pigments added into the mixture.

CIMENTO® Planking - C01	White
CIMENTO® Planking - C02	Cement
CIMENTO® Planking - C03	DoveGrey
CIMENTO® Planking - C04	Dark Grey
CIMENTO® Planking - C05	Anthracite
CIMENTO® Planking - C06	Black

Bespoke colours available.

This data sheet replaces all previous editions.

SAI Industry reserves the right to change the data without prior notice.

The reader has to be sure of having the latest version of this documentation.

PLANKING CIMENTO® - FBC
INTERIOR COATINGS



**C I M E N T O®****PLANKING CIMENTO®**
Fibercement - FBC**ST03**
ver.1.7EN
24/08/15

pag. 2 di 4

**5. TECHNICAL CHARACTERISTICS OF THE SUBSTRATE - ETERBOARD-HD**

Average values according to the European standard EN 12467 'Fibre-cement flat sheets', which describes classification and most testing methods.

A. Testing according to ISO quality management system					
			< 20 mm	≤ 20 mm	
Density	Dry	EN 12467	1.580	1.550	kg/m ³
Bending strength	Ambient, ⊥	EN 12467	32,00	30,00	N/mm ²
	Ambient, //	EN 12467	22,00	21,00	N/mm ²
Modulus of elasticity	Ambient, ⊥	EN 12467	15.000	13.000	N/mm ²
	Ambient, //	EN 12467	15.000	11.000	N/mm ²
Delamination resistance	Ambient		1,80	1,80	N/mm ²
Hygic movement	0-100%, mean		1,60	1,80	mm/m
Porosity	0-100%		20	22	%

B. Classification			
Durability classification	EN 12467	Categoria A	
Strength classification	EN 12467	Classe 4	
Fire reaction	EN 13501-1	A2 - s1 - d0	

C. 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 α	15 x 10 ⁻⁶	m/mK
Thermal conductivity coefficient λ	0,36	W/mK
Water vapour diffusion resistance number μ	250	-

6. TECHNICAL CHARACTERISTICS OF THE FINISH - SMOOTH CIMENTO®

A. Classification		
Fire reaction	D.M.26/06/1984	Class 0

B. Test of omologation or best value		
Test adhesion of finish to substrate	UNI 9240:1987	2.2 MPa
Test Hardness	UNI 10782:1999	HB
Exposition cycle to warm, cold and humid	UNI EN ISO 9142:2004	No issues
Test resistancy to scraping off	UNI EN 15185:2011	/// (10 rotations)

This data sheet replaces all previous editions.
 SAI Industry reserves the right to change the data without prior notice.
 The reader has to be sure of having the latest version of this documentation.

PLANKING CIMENTO® - FBC
INTERIOR COATINGS





C I M E N T O®

PLANKING CIMENTO® Fibercement - FBC

ST03

ver.1.7EN
24/08/15

pag. 3 di 4



7. SURFACE TREATMENTS

The following treatments can be applied on request:

IDROPROTECTOR: Emulsion of nanoparticles made of silicon and titanium molecules. Green, water based, it makes the CIMENTO® finish waterproof.

IDROSTAIN-R: Emulsion of nanoparticles made of silicon and fluorine polymers molecules. Green, water based, it makes the CIMENTO® finish waterproof and stain-resistant.

IDROSELF-A: Suspension of nanoparticles made of silicon and silicates nano-structured molecules. Green, water based, it makes the CIMENTO® finish anti-bacterial and self-cleaning, perfect for external application such as Ventilated Facade.

100% SEALED: Made of acrylic polymers. A thin layer of protective film gives CIMENTO® an excellent resistance to any kind of stain. Can be cleaned with common aggressive cleaners.

8. ADVANTAGES

- fire safe (no fire ignition, no spread of fire)
- sound insulating
- resistant to extreme temperatures
- water resistant (if in compliance with application guideline)
- resistant to many living organisms (fungi, bacteria, insects, vermin, etc.)
- resistant to many chemicals
- environmentally friendly, no harmful gas emissions

9. APPLICATION FIELDS

CIMENTO® panelling are indicated for the following applications:

Outdoor: ventilated façades

If any doubts arise regarding the suitability of **CIMENTO®** panelling in specific application fields, please ask for specific instructions from SAI Industry. SAI Industry cannot be held responsible for non-standard applications made without approval.

10. CUTTING & DRILLING INSTRUCTIONS:

Please refer to the specific manual.

11. INSTALLATION INSTRUCTIONS:

Outdoor

Installation on ventilated façades is made through partners.

This data sheet replaces all previous editions.

SAI Industry reserves the right to change the data without prior notice.

The reader has to be sure of having the latest version of this documentation.

PLANKING CIMENTO® - FBC
INTERIOR COATINGS



C I M E N T O®



C I M E N T O®

PLANKING CIMENTO® Fibercement - FBC

ST03

ver.1.7EN
24/08/15

pag. 4 di 4



12. TOUCH UP INSTRUCTIONS

Please refer to the specific manual.

13. CLEANING

Please refer to the specific manual.

14. HANDLING AND STORAGE

CIMENTO® panelling are packed in chip-board crates, made to size for safe transportation. They should be properly supported in order to avoid any bending and should be stored in a dry and ventilated place. In case panels get wet in their package, the package shall be completely removed and panels shall be positioned well to let them dry up. It's suggested to let the panels get acquainted with the local environment. The panels should be lifted up from the pile by one or two persons depending on sizes, having great attention not to damage the panels in sensible points as corners and edges. Panels are stock face to face with a polyethylene paper in between to avoid accidental scratches. Please make sure that polyethylene paper is not removed during handling and subsequent storage.

15. SAFETY AND SECURITY

During the manipulation of the panels it is possible that some powder is produced that could be stinging for eyes and airways. Moreover, during cleaning it is possible that powder is produced which could irritate the eyes and airways. At all times allow for proper ventilation when working with the panels.

16. WARRANTY

Warranty is valid only if installation instructions are followed. If any doubts arise regarding the suitability of CIMENTO® panelling in specific application fields, please ask for specific instructions from SAI Industry. SAI Industry can't be held responsible for non-standard applications made without approval.

SAI Industry S.r.l.

Via A.Volta, 1
30020 Noventa di Piave (VE)
T. +39 0421 65422
F. + 39 0421 308084
E. info@saiindustry.org
W. www.saiindustry.org

This data sheet replaces all previous editions.

SAI Industry reserves the right to change the data without prior notice.

The reader has to be sure of having the latest version of this documentation.

PLANKING CIMENTO® - FBC
INTERIOR COATINGS

