

TECHNICAL DATA SHEET | SPECIFICATION TEXT

PRODUCT	ClicWall	DATE	17/07/2014
CE-CLASS	-	EUROPEAN STANDARD	-

DESCRIPTION

Wall-cladding systems made from 10 mm PEFC certified MDF core, finished with a resistant melamine top layer and a resistant melamine counter layer. Every panel has a tongue on one long side and a groove on the other long side so that they can be clicked together. The UNILIN patented Uniclic system ensures a virtually seamless connection. The short top and bottom sides have a smooth finish. For the finish, there is a range of 86 colours and decors, both stock and non-stock.

ClicWall Deco has a top and bottom layer that can be finished off with paint, wallpaper or digital print. ClicWall FR conforms to EuroClass B-S2-D0 and as a complete system is EI60 (RF60) compliant for non-load-bearing partitioning walls. This set-up is also certified for an acoustic value of 48 dB (Rw (C-4; Ctr-11) = 52dB).. Corners can be finished as desired with an aluminium exterior angled profile, a flexible interior and exterior angled or mitred profile.

DIMENSIONS

Standard gross dimensions: 2785 x 618 x 10 mm (HxWxD)

Standard net dimensions: 2785 x 600 x 10 mm (HxWxD)

Other dimensions are available on request

PROCESSING

ClicWall is used as an interior wall system for double and partitioning walls.

ClicWall is applied using the following substructures:

- Metal substructure
- Wooden substructure
- Wooden frame
- Wooden slates directly on the wall

The substructure must always be attached firmly, at right angles and both horizontally and vertically level. Combined substructures are also possible. Other applications in consultation with Unilin, Panels division.

The ClicWall panels can be attached in 3 different ways:

- Screws
- Staples
- Adhesives

The panels are clicked together using the patented Uniclic system, which gives a virtually seamless connection as well as being very quick and easy to install. A 1 mm contraction joint per running metre must be provided underneath, on top and on the sides, with a minimum joint of 6 mm. An extra expansion joint should be provided every 8 meters. For detailed installation information, please consult the ClicWall installation guide on www.unilinpanels.com.

ClicWall is delivered as standard in Euro fire classification D-s2,d0.

ClicWall FR is certified for Euro fire classification response B-s2,d0 and has obtained fire resistance EI60 (RF60) as a complete system for non-load-bearing partitioning walls (EN 1364-1:1999). The acoustic value of this system is 48 dB (R_w (C-4; C_{tr}-11) = 52dB):

- 50 mm metal stud
- Rockwool (40mm - 35kg/m³)
- 12 mm fire retardant Chipboard – attachment with woodscrew (4.0 x 25)
- ClicWall FR 10 mm – attachment with MS polymer dots
- PE50 tape (flexible insulating tape)

ClicWall must be stored flat to avoid any malformation. Ideal conditions are an ambient temperature between 15° and 20° and a relative humidity of 50-60%. If possible, leave the panels to acclimatise in their unopened packaging for 48 hours in the room where they are to be installed.

PRODUCT CHARACTERISTICS

- Easy installation
- Joint-free system
- Fast assembly
- Scratch resistant
- Hygienic and splash proof
- UV resistant

TECHNICAL SPECIFICATIONS

	Reference	Value
Fire reaction/Fire resistance/Acoustic		
Fire reaction ClicWall and ClicWall Deco (Rating)	EN13986 (Table 8)	D-s2,d0
Fire reaction ClicWall FR	EN13986 (Table 8)	B-s2,d0
Fire resistance (E1)	EN 1364-1:1999	60
Acoustic (dB – 48)	ISO 17025:2500	R _w (C-4; C _{tr} -11) = 52 dB
Sheet	EN13986	
Bending strength (N/mm ²)	EN310	22
Modulus of elasticity (N/mm ²)	EN310	2500
Tensile strength (N/mm ²)	EN319	0,6
Swelling after 24 hrs. (%)	EN317	17
Formaldehyde content (mg/100g dry)	EN120	(E1) ≤ 8
Reaction to fire ClicWall and ClicWall Deco (Rating)	EN13986 (Table 8)	D-s2,d0
Reaction to fire ClicWall FR (Rating)	EN13986 (Table 8)	B-s2,d0
Water vapour permeability (μ)	EN13986 (Table 9)	12 (wet) / 20 (dry)
Sound insulation (dB)	EN13986 (Chp 5.10)	R= 13*Ig(ma)+14
Sound absorption (Coefficient)	EN13986 (Table 10)	0,10 (250-500Hz)/0,20 (1000-2000Hz)
Thermal conductivity (λ)	EN13986 (Table 11)	0,1
Biological durability (Rating)	EN335-3	Class 1
Pentachlorophenol (PCP) content (ppm)	EN13986 (Chp 5.18)	< 5

MDF	EN622-2	
<i>Fibreboard (MDF) - Requirements</i>	<i>EN622-2</i>	
Tolerance on the mean density (%)	EN323	± 7
<i>Fibreboard (MDF) - Additional</i>	<i>EN622-5</i>	
Density (kg/m ³)	EN323	760
Moisture content (%)	EN323	6 ± 2
Melamine sheets internal use		
<i>Melamine sheets - Requirements</i>	<i>EN14323</i>	
Thickness tolerance compared with normal value (mm)	EN14323	± 0,2
Thickness tolerance (mm)	EN14323	t _{max} -t _{min} ≤ 0,6
Length tolerance (mm)	EN14323	± 1
Width tolerance (mm)	EN14323	± 0,5
Flatness (mm/Lm)	EN14323	≤ 2
Damage: short edges (mm)	EN14323	< 3
Damage: tongue & groove (mm)	EN14323	0
Surface blemishes (points) (mm)	EN14323	≤ 2
Surface blemishes (lines) (mm/m ³)	EN14323	≤ 20
Scratch resistance (N)	EN14323	≥ 1,5
Stain resistance (Rating)	EN14323	≥ 3
Crack resistance (Rating)	EN14323	≥ 3
ClicWall supplier specific requirements	UNILIN	
Tolerance on seamlessness (decorative side) (mm)	UNILIN	< 0,1