EN tested to the latest standards

VERSA® TECBOR

Partitions • Linings • Ceilings • Soffits • Ducts

The latest fully certified A1 Non-Combustible Boards

Versa Tecbor® is suitable for a wide range of applications and a major move forward in building board technology to meet increasingly stringent building regulations and demands for ever higher standards of durability, safety and economy.

Versa Tecbor® is an A1 Non-Combustible board designed to achieve fire protection up to EI-240 under UNE-EN, also awarded a CE mark, certificate No.1220-CPD-0901. Intended for use in internal applications.

Versa Tecbor® has a wide range of applications in today's demanding construction industry. Testing to the EN requirements for fire allows the product to be used throughout European markets. Versa Tecbor® is a very durable material, is safe to use and economic in its tested applications.

Benefits

- Fire Resistant
- Rot Proof
- Impact Resistant
- Resistant to Attack against Vermin
- Non-toxic under fire
- Can be nailed, screwed, stapled or bonded.
- 25yr Warranty
- CE Marked

Typical Applications

- Steel Partitions
- Timber Partitions
- Suspended Ceilings
- Curtain Wall / Parapet Wall
- Ventilation Ducts
- Independent Wall Linings

FIRE RATING
Tested in accordance with
UNE-EN-13501-1:2007
UNE-EN-ISO 1182:2002
UNE-EN-ISO 1716:2002
UNE-EN-ISO 13823:2002
SEE TABLE OVERLEAF FOR FURTHER DETAILS

Euroform Products Ltd
Solutions for the building industry

VERSA® TECBOR

Technical Information
Versa Tecbor®

Versa Tecbor® board does not contain hazardous substances for health, according to the database of the 041/051 DS European Commission.

Versa Tecbor® is designed for indoor use but can also be applied in certain areas of high humidity and moisture content.

Specifications:

Finishes – Versa Tecbor® has a very smooth finish to one side and is off white in colour.

Versa Tecbor® is a substrate that offers an excellent surface for finishing in a wide range of surface treatments and can offer a joint free solution.

Standard Size 2400mm x 1200mm

	A			B	
Thickness of board in mm	10	12	15	20	40
Approx. kg per m2	8	9.6	12	13.4	26.8
Boards per pallet	40	35	35	20	10

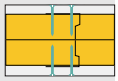
Density (dry at 40°C)	Tecbor A 800Kg/m²average Tecbor B 670Kg/m²average	Surface Alkalinity	pH between 8 and 10
Modulus of Elasticity E Flexion (N/mm2)	2666	Moisture Content (ex production)	12% ± 5 by weight
Thickness Tolerances Length Tolerances Width Tolerances Squareness on panel diagonal difference.	±1mm ±5mm ±3mm ±2mm	Thickness Swelling (48 hrs at 90% humidity / 23°C)	0.3%
Bending Strength (min)	6>	Dimensional Stability	<0.25%
Permissible design value	1.8Nmm²	Water Vapour Permeability	3.9 x 10kg/m2sPa
Tensile strength (parallel to surface)	1.2N/mm²	Thermal Conductivity Coefficient	0.27 W/m °K
Tensile strength (Flexural)	7,2N/mm²	Acoustic Absorption	aw=0,10
Compression strength (min)	7,07N/mm²	Fire Rating Tested to	UNE-EN 13501-1:2007 UNE-EN-ISO 1182:2002 UNE-EN-ISO 1716:2002 UNE-EN-ISO 13823:2002 Plus many EN System Tests For further information see Fire Information

* Type B specification available upon request, please contact technical sales on 01925 860999

Internal Tested Fire Partitions

Tested in accordance to EN 1364-1

Versa Tecbor® 60 minute FR to Steel Frame



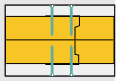
Facing 10mm Versa Tecbor® to each face
Self tapping screws 3.5mm x 35mm at 200-250mm, Joint paste
(to all joints and screw heads)

Framing Steel Stud on 'C` 75mm x 50mm x 0.6mm, Metal Runner 73mm x 36mm x 0.5mm

Infill Mineral Wool RW3 70mm
(1 layer 30mm, 1 layer 40mm with joints staggered)

Tested in accordance to EN 1364-1

Versa Tecbor® 120 minute FR to Steel Frame



Facing 12mm Versa Tecbor® to each face
A. Double Steel Stud on 'H` 70mm x 36mm x 0.6mm
B. Steel Stud on 'C` 75mm x 50mm x 0.6mm (Alternative test assessed by Warrington Fire Ltd based on the original 'H` test)
Self tapping screws 3.5mm x 35mm at 200-250mm, Joint paste
(to all joints and screw heads)

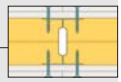
Framing Steel Stud on 'C` 75mm x 50mm x 0.6mm, Metal Runner 73mm x 36mm x 0.5mm, M6 metallic anchor at 250 - 300mm

Infill Mineral Wool RW3 70mm
(1 layer 30mm, 1 layer 40mm with joints staggered)

Both the 120 & 180 tests have also been assessed and approved for the use of timber studs of 75mm x 50mm.

Tested in accordance to EN 1364-1

Versa Tecbor® 180 minute FR to Steel Frame



Facing 10mm + 10mm Versa Tecbor® to each face
Self tapping screws 3.5mm x 35mm at 200-250mm, Joint paste
(to all joints and screw heads)

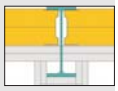
Framing Double Steel Stud on 'H` 70mm x 36mm x 0.6mm, Metal Runner 73mm x 30mm x 0.5mm, M6 metallic anchor at 250 - 300mm

Infill Mineral Wool 60mm, density 100kg/m³
(1 layer 30mm, 1 layer 30mm with joints staggered)

Independent Wall Linings

Tested in accordance to EN 1364-1

Versa Tecbor® 90 minute



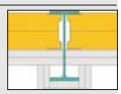
Facing 12mm+12mm Versa Tecbor® to face
Self tapping screws 3.5mm x 35mm at 200-250mm, Joint paste
(to all joints and screw heads)

Framing Double Steel Stud on 'H`70mm x 36mm x 0.6mm, Metal Runner 73mm x 36mm x 0.5mm, Structural Steel

Infill Mineral Wool 60mm 100Kg/m³
(1 layer 30mm, 1 layer 30mm with joints staggered)

Tested in accordance to EN 1364-1

Versa Tecbor® 120 minute



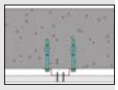
Facing 15mm+15mm Versa Tecbor® to face
Self tapping screws 3.5mm x 35mm at 200-250mm, Joint paste
(to all joints and screw heads)

Framing Steel Stud on 'H` 70mm x 36mm x 0.6mm, Metal Runner 73mm x 36mm x 0.5mm, M6 metallic anchor at 250 - 300mm, Structural Steel

Infill Mineral Wool RW3 70mm
(1 layer 30mm, 1 layer 40mm with joints staggered)

Tested in accordance to EN 1364-1

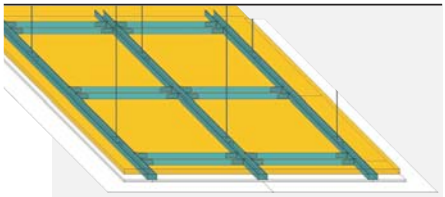
Versa Tecbor® 180 minute Independent Wall Lining to Pre-Cast Concrete



Facing 12mm Versa Tecbor® to face
Self tapping screws 3.5mm x 35mm at 200-250mm, Metal Rawplugs 5mm x 65mm, Joint paste (to all joints and screw heads)

Framing Omega Steel Framing 15mm x 45mm x 0.5mm at 600mm centres, Metal Rawplugs 5mm x 65mm, Pre-Cast Concrete Masonry 120mm minimum

Suspended Ceilings



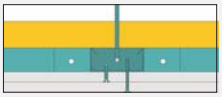
Versa Tecbor® 120 minute Independent Suspended Ceiling

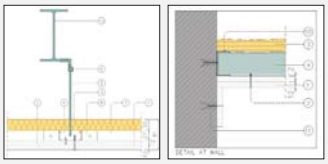
Tested in accordance to EN 1364-2

Facing 12mm+12mm Versa Tecbor® to face
Self tapping screws 3.5mm x 45mm, Joint paste (to all joints and screw heads)

Framing Steel profile 60mm x 27mm at 600mm centres
Metal runner 48mm, Metallic anchor 10mm x 100mm, Steel Grip 60mm x 27mm, Threaded M6 rods fixed to steel profile, Hitching for 60mm x 27mm

Infill Mineral Wool 40mm, density 40Kg/m³





Technical Drawing

1. 12mm + 12mm Versa Tecbor® to face
2. Self tapping screws 3.5mm x 45mm
3. Mineral Wool 40mm, density 40 kg/m³
4. Steel Grip 60mm x 27mm
5. Threaded M6 Rods fixed to steel profile
6. Clip (type Sinard 210)
7. Steel profile 60mm x 27mm at 600mm centres
8. Hitching for 60mm x 27mm
9. Joint paste (to all joints and screw heads)
10. Metal Runner 48mm
11. Metallic Anchor 10mm x 100mm
12. Steel Structure

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