

How to Specify Velstone

Dimensions

Velstone is available in maximum width of 900mm in standard thicknesses of 6mm, 13mm and 25mm.

Specify minimum 13mm sheet thickness for all horizontal applications. All horizontal applications where 13mm Velstone is used, should be supported by minimum 25mm MDF or 15mm Plywood.

Specify cost saving 25mm thick Velstone sheets where straight length worktops are required, e.g. vanity tops or hot/cold servery counters.

For vertical (cladding) applications 13mm thick Velstone should be used. 13mm Velstone can be clad directly to the wall, except for Secure cell Installations where by special guidelines are to be followed. Please refer to Velstone Secure Cell Specification & Fabrication document.

Colours

Please include the Velstone colour name and reference number. Velstone colour reference numbers are unique and do not belong to any particular range. Please visit www.velstone.com to view complete range.

Finish

Velstone worktops/panels can be finished to a matte/satin/gloss finish. Finish to be chosen appropriate to installation or to client requirement. It is recommended to specify a Gloss finish to Dark (black/navy) colours to elevate their aesthetic appeal and improve their scratch/stain resistance. All finishing as per Velstone's recommended guidelines.

Additional Products

Two pieces/sheets of Velstone should only be joint using corresponding Velstone adhesive:

Fabrication & Installation

Velstone should be fabricated and installed as per manufacturer's recommended guidelines. A copy of the fabrication manual is available on request.

Test Data

The material should meet the following Test specifications.

Type / Description	Test Standard	Observation / Results
Test For Measuring The Specific Optical Density Of Smoke Emitted By The Combustion Of Pyrolysis Of Solid Materials	NFX 10 – 702: APRIL 1986	VOF4 Flaming Mode 1 st Specimen = 44.52 VOF4 Non-Flaming Mode 1 st Specimen = 2.15 VOF4 Flaming Mode Average Of Three Results = 34.80
Analysis Of Pyrolysis And Combustion Gases Tube Furnace Method	NFX 70 – 100: JUNE 1986	C.I.T value 9.77
F Classification In Accordance With NF F-16-101 Railway Rolling-Stock Fire Behaviour Choice Of Materials	NF F-16-101	The SI value is 9.21 Classified as F1

Determination Of “M & F” Rating in Accordance with NF16-101	NFX 70	1. NFX 70 – 702 “Smoke Emission Test” VOS ₄ value in Non-Flaming Mode : 1 st Specimen = 2.15 VOS ₄ value in Flaming Mode : 1 st Specimen = 44.52 Dm(Max) Flaming Mode average of three results = 316.35 VOS ₄ Flaming Mode average of three results = 34.80
	NFX 70 - 100	2. NFX 70 – 100 “Toxicity Test” C.I.T = 9.99 Classified as F1.
	NFP 92-501	3. NFP 92-501 “Epiradiateur” M rating Of M2
Epiradiateur Test NFP 92-501	NFP 92-501	Classified as M2
The Classification Of Materials Of Construction And Decoration to reaction to fire		Classified as M2
Method of Test For Fire Propagation For Products	BS 476: PART 6: 1989	Fire Propagation Index, 1 = 5.3
Methods For Classification Of The Surface Spread Of Flame Of Products	BS 476: PART 7: 1987	Classified as Class 1
Fire Hazard Test To NES 713 (Issue 3) As Amended November 1991 Determination Of The Toxicity Index Of The Products Of Combustion from small Specimens of Materials	NES 713 (Issue 3)	Toxicity Index = 0.2
BS 6853 Annex D.8.6 “3 Metre Cube Smoke Emission – Flooring Tests”	BS 6853: 1999 Annex D.8.6	6mm Velstone : FIR/01148/1 Result: A ₀ = 134 m ² /m ² (mean result of two tests, +/- 5.3%) 13mm Velstone : FIR/01148/2 Result: A ₀ = 250 m ² /m ² (mean result of two tests, +/- 6.8%) No Flaming Results was seen outside the ignition source in any of the tests.
“3 Metre Cube Smoke Emission – Flooring Tests” 13mm thick Velstone Solid Surface Material bonded to 18mm thick FR Grade MDF.	BS 6853: 1999 Annex D.8.6	6mm Velstone : FIR/01148/1 Test Reference: FIR/01148/1A: %T _(min) = 23.7%@40mins FIR/01148/1B: %T _(min) = 27.4%@40mins FIR/01148/1A: A ₀ = 141 M ² / M ² FIR/01148/1B A ₀ = 127 M ² / M ² Result: A ₀ = 134 m ² /m ² (mean result of two tests, +/- 5.3%) No Flaming Results was seen outside the ignition source in any of the tests.

<p>Test to assess the comparative durability of the surface finish</p> <ol style="list-style-type: none"> 1. Scrape:sp 2. Impact 3. Condensation 4. Water Ingress 5. Flooding 6. Large Ball Impact 7. Ease Of Renovation 	<p>BS 3202 Part 2</p>	<p>5</p> <p>5</p> <p>No visible Deterioration</p> <p>No effect</p> <p>No effect</p> <p>1</p> <p>A) Light Stains – Stains easily removed B) Heavy Stains – Stains easily removed C) Nicks and Cuts (light) – Cuts removed D) Nicks & Cuts (deep) – Cuts removed</p>
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Warranty

Velstone offers a 10 year limited warranty with all its products. Please refer to the warranty terms and conditions.