Formica® Compact Top

Structural Laminate for Industrial & Laboratory Furniture

Solid grade laminate for horizontal and vertical applications

I Laboratory benches I Counters I Fume cupboards I Cabinets I Wall panels and splashbacks I Screens I Shelving I

Formica® Compact Top

Structural Laminate for Industrial & Laboratory Furniture

Originally developed for industrial application, Formica® laminate has evolved into an iconic decorative material, whilst still maintaining the essential quality and robust resilience of its industrial origins.

Formica® **Compact Top** is a versatile addition to the Formica® product portfolio for use in laboratories, clean rooms and associated areas and industrial interiors.

A high performance material, its solid laminated core comprises multiple layers of resin-impregnated quality kraft papers, with a decorative surface on both sides.

Compact Top is an impressively strong and damage-resistant homogeneous laminate that has excellent strength and dimensional stability, making it ideal for the production of laboratory benches and tables, splashbacks, screens, fume cupboards, cabinets and shelving, furniture and wall panels.

In a 16mm thickness, **Compact Top** has inherent structural solidity and is self-supporting for vertical and horizontal applications, which greatly simplifies and quickens fabrication.

The material can be cut, shaped and routered to produce contemporary and practical interior layouts. The distinctive black edge of **Compact Top** can be cut square or bevelled and polished, giving an all-round finish that acts as a striking design feature.

Compact Top provides an easily maintained, hygienic surface that easily meets all the requirements of EN 438 (test method 15), ISO 4586, and the highest performance levels specified in BS 4965 and its inherent properties make it an ideal choice for laboratory and industrial surfaces.

Compact Top Performance

Performance	Chemical
No effect after 16 hours contact.	Acetic acid, acetone, ammonia, alcohol, amyl acetate, benzene, butyl acetate, carbon tetrachloride, caustic soda (solutions less than 10%), citric acid, detergents, olive oil, paraffin, phenol, petrol, soaps, sugar solutions, toluene, xylene.
No effect if completely removed within 10-15 minutes.	Caustic soda (solutions greater than 10%), ferric chloride, formic acid, hair dyes, hypochlorite bleach, hydrochloric acid (less than 10%), hydrogen peroxide (less than 30%), iodine, nitric acid (less than 10%), oxalic acid, phosphoric acid (less than 10%), potassium permangante, silver nitrate, sulphuric acid (less than 10%)
Permanent staining or surface attack probable; requires immediate removal.	Hydrochloric, nitric, phosphoric and sulphuric acids in concentrations greater than 10%.

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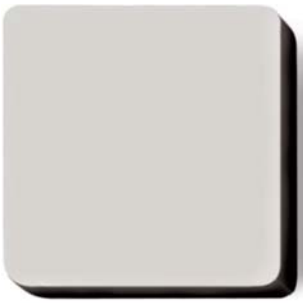
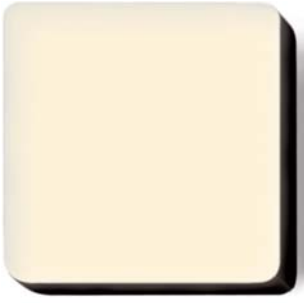
F2255
Polar White
Vel



F7927
Folkestone
Vel



F7932
Antique White
Vel

F7507
Folkestone Grafix
Vel

F7522
Blue Silk Grafix
Vel

F1936
Lava Dust
Vel

F1787
Grey Dust
Vel

F5087
Graphite Tuff
Vel

F7837
Graphite
Vel

The designs reproduced in this publication have been matched as closely as the printing process will allow.
It is recommended that you obtain actual samples prior to final specification or use.

Compact Top product range

Vel Velour

Code	Name	Surface Finish	Sheet Size CGS (16mm) 3660 x 1525mm	NCS	RAL
F1787	Grey Dust	Vel	●	-	-
F1936	Lava Dust	Vel	●	-	-
F2255	Polar White	Vel	●	S 0502-G	9003
F5087	Graphite Tuff	Vel	●	-	-
F7507	Folkestone Grafix	Vel	●	-	-
F7522	Blue Silk Grafix	Vel	●	-	-
F7837	Graphite	Vel	●	S 8000-N	8019
F7927	Folkestone	Vel	●	S 2500-N	9006
F7932	Antique White	Vel	●	S 0505-Y40R	9001

Also available MTO (Made to order)
- 3660x1525mm (HGP) Postforming laminate | - 3050x1220mm (HGP) Postforming laminate | - 3050x1220x16mm (CGS) Compact

Formica® Compact Top

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Compact Top Maintenance

- To clean the surface of **Compact Top**, use water and mild detergent.
- For stubborn stains, use non-scratch liquids or creams.
- Persistent and deep seated marks and discolouration can usually be removed by careful use of a mild abrasive cream or a paste cleaner in conjunction with a nylon bristle brush.
- Ink marks can be removed with methylated spirits or acetone on a clean cloth.
- Organic solvents such as white spirit and cellulose thinners can also be used to remove paint splashes and graffiti.
- After using a cleaner, rinse the **Compact Top** surface with clean water and polish dry with a soft cloth.
- Do not use acid-based ceramic cleaners and limescale removers, which can cause permanent staining. Wash any spillage or splashes of these cleaners from the **Compact Top** surface immediately.
- Do not use scouring pads or harsh abrasive cleaning agents.
- Do not use a furniture polish, as these can cause build up of silicone wax on the surface that can cause discolouration and smear marks.
- Do not cut directly onto the surface of **Compact Top**.

Compact Top Fabrication

For further information on the transportation, handling, storage, fabrication and installation of CGS structural grade laminate, please consult the Formica® Technical Information manual or contact Formica® FSU (Fabrication Support Unit) on 0191 259 3411.

Compact Top Technical Properties

Property	Test method EN438-2 Clause no. (unless otherwise stated)	Typical Value	Specification
Resistance to surface wear	10	450	350
Resistance to impact by large diameter ball	21	> 200 cm	> 180 cm
Resistance to scratching	25	> Rating 3	Rating 3
Resistance to dry heat (180 °C)	16	Rating 5	Rating 4
Resistance to immersion in boiling water	12	1.0% Mass 0.6% Thickness	2.0% Mas 2.0% Thickness
Dimensional stability at elevated temperature	17	L 0.18% T 0.35%	L 0.30% T 0.60%
Resistance to staining	26	(Reagents 1+2) 5 (Reagents 3+4) 5	5 min 4 min
Light fastness (xenon arc) Grey Scale	27	5	4 to 5
Resistance to water vapour	14	4	4
Resistance to cigarette burns	30	4	3 min
Density	ISO 1183	1.40 g/cm3	1.35 g/cm3 (min)
Flexural modulus	EN ISO 178	1100 MPa	900 MPa
Flexural strength	EN ISO 178	120 MPa	80 MPa
Tensile Strength	EN ISO 527-2	80 MPa	60 MPa

Advanced chemical resistance

Chemtop2™
Advanced Chemical Resistance

Formica® Chemtop2™ is unrivalled in high stress applications that require advanced resistance to harsh chemicals. Chemtop2™ is a truly versatile surfacing material, ideal for both horizontal and vertical uses, as formable High Pressure Laminate or as structural Compact grade.

Available in a range of six colours, which are manufactured and fully stocked in the UK, Chemtop2 offers you performance and design without compromise.

To request a sample or range brochure please call: Fast Samples Hotline 0191 259 3512 or email samples@formica.co.uk

FAST SAMPLES & ADVICE 24 Hours 0191 259 3512

TECHNICAL ADVICE 0191 259 3411

BSI UKAS QUALITY MANAGEMENT 003
Certificate No. Q09648

BS EN 438

NCS Natural Color System® ©www.sci-sweden.se

www.formica.com

Formica Limited, Coast Road, North Shields, Tyne & Wear NE29 8RE, Tel: 0191 259 3000, Fax: 0191 258 2719.