



Chemtop²[™]
Advanced Chemical Resistance



Formica® Chemtop2™ is unrivalled in applications for high stress environments that require resistance to harsh chemicals. Formica Chemtop2 surfaces can be used for horizontal and vertical applications and, in conjunction with Formica® HPL laminates, offer versatility in design from work benches to fume cupboard walls.

Advanced Chemical Resistance

Chemtop2™ technology features an advanced chemical resistant surface that is ideal for high stress environments where relatively harsh acids, alkalis, corrosive salts and other destructive or staining substances are used.

Cost-effective

Offered in 16mm and 19mm compact grade and in postforming grade laminate, Chemtop2 is easy to fabricate, extremely durable and requires little maintenance, resulting in exceptionally low life-cycle cost.

Design

The six designs offer a practical and attractive range for most applications and working environments. These designs are offered in two different sheet sizes and are supported by efficient service and a high level of stock availability.

Environments and applications

Formica Chemtop2 is the quality, versatile, reliable and cost-effective solution for critical working environments:

- Chemical, medical, scientific and pathogenic laboratories
- Photographic laboratories
- Mortuaries
- Clinics
- Nursing stations
- Commercial and light-duty manufacturing operations

Chemtop2 is intended for application to interior horizontal and vertical surfaces where resistance to relatively harsh acids, alkalis, corrosive salts and other destructive or staining substances is required without compromising design or appearance.





Whatever your application, Chemtop2 offers supreme performance, giving you confidence in your critical work surfaces:

- Laboratory benches
- Counters
- Fume cupboards
- Cabinets
- Wall panels and splashbacks
- Screens

NOTE: Chemtop2 laminate should be protected from damage caused by heat, such as heat created from Bunsen burners. The Bunsen burner should be placed on a trivet to protect the laminate surface.

NOTE: Formica Chemtop2 incorporates a special integrated coating which gives the product its chemical-resistant properties and a slightly different hue from its corresponding standard high pressure laminate (HPL) item. This colour difference does not constitute a defect. Please ensure you view actual Formica Chemtop2 samples before specifying. Butt joint matches between Formica Chemtop2 and standard HPL are not recommended, while horizontal/vertical matches are acceptable. It is highly recommended that Formica Chemtop2 be used for an entire project as standard HPL will not provide the same degree of chemical resistance.



Use and Care

Formica Chemtop2 laminate surfaces may be cleaned with a damp cloth and mild detergent. Use of abrasive cleaners, powders, scouring pads, steel wool, sandpaper, etc., will damage the finish and can permanently reduce the stain and chemical resistance of the laminate. Good laboratory practice dictates that all chemical spills should be wiped up promptly. Stubborn stains may be removed by use of organic solvent or hypochlorite bleach, followed by wiping with a soft, damp cloth. If in doubt about the suitability of a particular cleaner or detergent, check with the manufacturer of the cleaning product.



Performance Compliance of Formica Chemtop2

Physical Properties	EN438 Test	Chemtop2	EN438
Resistance to Surface Wear	10	600	350
Resistance to Impact Small Ball	20	35	20
Dimensional Stability Elevated Temp	17	0.5, 0.8	0.55, 1.05
Resistance to Scratching	25	5	3
Resistance to Boiling Water	12	5	4
Resistance to Staining	26	5.5	3.4
Light Fastness	27	6	4
Resistance to Water Vapour	14	4	4
Formability (T)	31-32	14mm	14mm
Blister Resistance	33-34	30	10



Chemical and Stain Resistance

Acids

Hydrochloric acid 10%	Hydrochloric acid 37%	Sulphuric acid 33%
Sulphuric acid 98%*	Nitric acid 30%	Nitric acid 65%*
Phosphoric acid 85%	Acetic acid 99%	Chromic acid 60%

Bases

Ammonium Hydroxide 28%

Biological Stains

Arcidine orange 1%	Basic fuchsin 1%*	Carbol fuchsin 1%*
Malachite green oxalate 1%	Methylene blue 1%	Methyl violet 2B 1%*
Wright stain 1%	Gentian Violet (dye) 1%*	Most conventional cleaning agents

Organic Chemicals

Formaldehyde 37%	Furfural 10%
------------------	--------------

Salt

Silver Nitrate 1%	Potassium permanganate 10%*	Ferric (III) chloride 10%
Copper sulphate 10%	Sodium hypochlorite 13%	Sodium chloride 10%

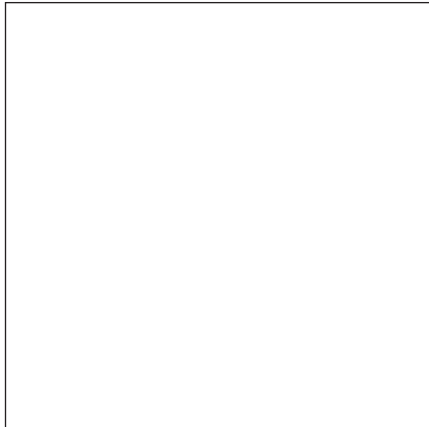
Solvents

Acetone	Ethylalcohol	Ethylene glycol
Methylethylketone	Dichloromethane	Ethylacetate
Acetic anhydride	n-Butyl acetate	n-Hexane
Methylalcohol	Methylisobutylketone	Tetrahydrofurane
Toluene	Trichloroethylene	Xylene

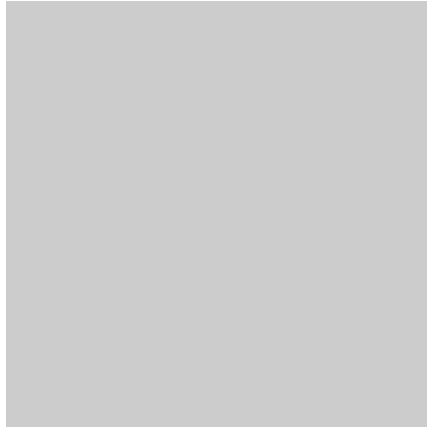
Reagents marked with an asterisk () may cause slight change in gloss or colour depending on the duration of exposure.

Test Procedure

5 drops of each reagent were applied on the surface and covered with a watchglass. The chemicals were tested over 24 hours.



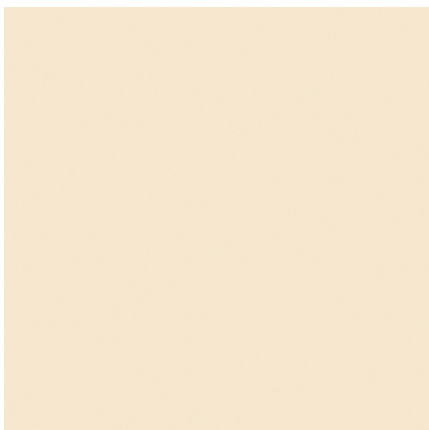
F7459-CHT
Brite White



F7927-CHT
Folkestone



F7507-CHT
Folkestone Grafix



F7932-CHT
Antique White



F7837-CHT
Graphite



F7522-CHT
Blue Silk Grafix

Availability

Item Ref.	Grade	Sheet Size (mm)	
		3050x1220	3660x1525
Range	PF*	•	•
Range	CBS* (CGS) [†] (P3-3) 16mm	•	•
Range	CBS* (CGS) [†] (P3-3) 19mm	•	•

*PF and CBS do not appear in the EN438 classification system

[†]Compact grade CBS (CGS) has black core

Austria

Formica GmbH
 Bachlaan 2
 Postbus 44
 NL-2250 AA Voorschoten
 Tel: +43 6225 24 33
 Fax: +43 6225 24 35

Belgium

Formica Belgium N.V.
 Bachlaan 2
 Postbus 44
 NL-2250 AA Voorschoten
 Tel: +32 (0) 2 705 18 18
 Fax: +32 (0) 2 705 17 72

Denmark

Formica Danmark A/S
 Industriparken 4
 DK-2750 Ballerup
 Tel: +45 43 58 82 00
 Fax: +45 43 58 82 55

Finland

Formica IKI Oy
 FI-35990 Kolho
 Tel: +358 3 580 001
 Fax: +358 3 531 6020

France

Formica S.A.
 Bât. Le Mandinet II
 2/4, Rue du Suffrage Universel
 FR-77185 Lognes
 Tel: +33 1 60 06 86 86
 Fax: +33 1 60 17 61 41

Formica (Warehouse)
 B.P. 120
 Rué du Général de Gaulle
 Zone Industrielle
 FR-57730 Valmont
 Tel: +33 1 87 29 10 40
 Fax: +33 3 87 29 10 33

Germany

Formica Vertriebs-GmbH
 Bachlaan 2
 Postbus 44
 NL-2250 AA Voorschoten
 Tel: +49 (0) 2241 95200
 Fax: +49 (0) 2241 952060

Holland

Formica Nederland b.v.
 Bachlaan 2
 Postbus 44
 NL-2250 AA Voorschoten
 Tel: +31 715 61 4444
 Fax: +31 715 61 5930

Ireland

Formica Limited
 Block B, Arran Court
 Arran Quay
 IR-DUBLIN 7
 Tel: +353 (0)1 872 4322
 Fax: +353 (0)1 872 4623

Italy

Formica Italia s.r.l
 Via dei Tulipani 3 - Palazzo B
 I-20090 Pieve Emanuele
 MILANO
 Tel: +39 02 9040121
 Fax: +39 02 90401298

Norway

Formica Norge AS
 Fekjan 13 A
 Postboks 81
 NO-1378 Nesbru
 Tel: +47 66 98 48 00
 Fax: +47 66 98 03 58

Poland

Formica PSM Sp z o.o.
 Al. St. Zjednoczonych 61 A
 PL-04-028 Warszawa
 Tel: +48 22 516 20 84/85
 Fax: +48 22 516 2079

Spain

Formica s.a.
 Avda. Txomin Egileor, 54
 ES-48960 Galdakao (Viscaya)
 Tel: +34 944 579 600
 Fax: +34 944 566 306

Formica s.a.
 Ctra. Valencia-Alicante km.280
 ES-46470 Albal (Valencia)
 Tel: +34 961 262 800
 Fax: +34 961 265 612

Sweden

Formica Skandinavien AB
 Florettgatan 22
 SE-254 67 Helsingborg
 Tel: +46 42384800
 Fax: +46 42384820

Switzerland

Formica (Schweiz) A.G.
 Bachlaan 2
 Postbus 44
 NL-2250 AA Voorschoten
 Tel: +41 1 818 88 18
 Fax: +41 1 817 01 82

United Kingdom

Formica Limited
 Coast Road
 North Shields
 GB-Tyne & Wear
 NE29 8RE
 Tel: +44 (0) 191 259 3000
 Fax: +44 (0) 191 258 2719

www.formica.eu.com www.formica.co.uk

