Technical Data Sheets

DURAtop

Duratop Compact Laminate Benchtops

Technical Specification

Duratop is Novalab's compact lamniate benchtop range. Best suited to non-chemical workspaces, requiring high durability and a high level or moisture resistance..

"The perfect solution for durable and water resistant joinery."

Comprising of top-quality materials with excellent technical properties. They consist of cellulose selected papers, impregnated with resin and produced under heat and high pressure.

Comprises of quality materials with excellent technical properties:

- impervious to water, ideal for use in wet areas
- great colour range covering all of the top selling colours in market
- very strong and self supportive structural properties
- high density, providing extremely good impact resistance
- durable surface fi nish which is hard wearing with good scratch and scuff resistance
- hygienice, easy to clean and maintain

Meets the requirements of EN 438-2 and NEMA LD3-2000, and tested by PSB. (Singapore Productivity and Standards Board) and (Standard Industrial Research Institute of Malaysia.

GUARANTEED FOR 5 YEARS

CHEMICAL RESISTANCE

DOES NOT SUPPORT BACTERIAL GROWTH

COMPLETE WATER RESISTANT

IMPACT RESISTANT

Solid and sturdy panels for everyday use

EASY TO CLEAN

Proven by third party evaluations

SUITABLE FOR CONTACT WITH FOOD

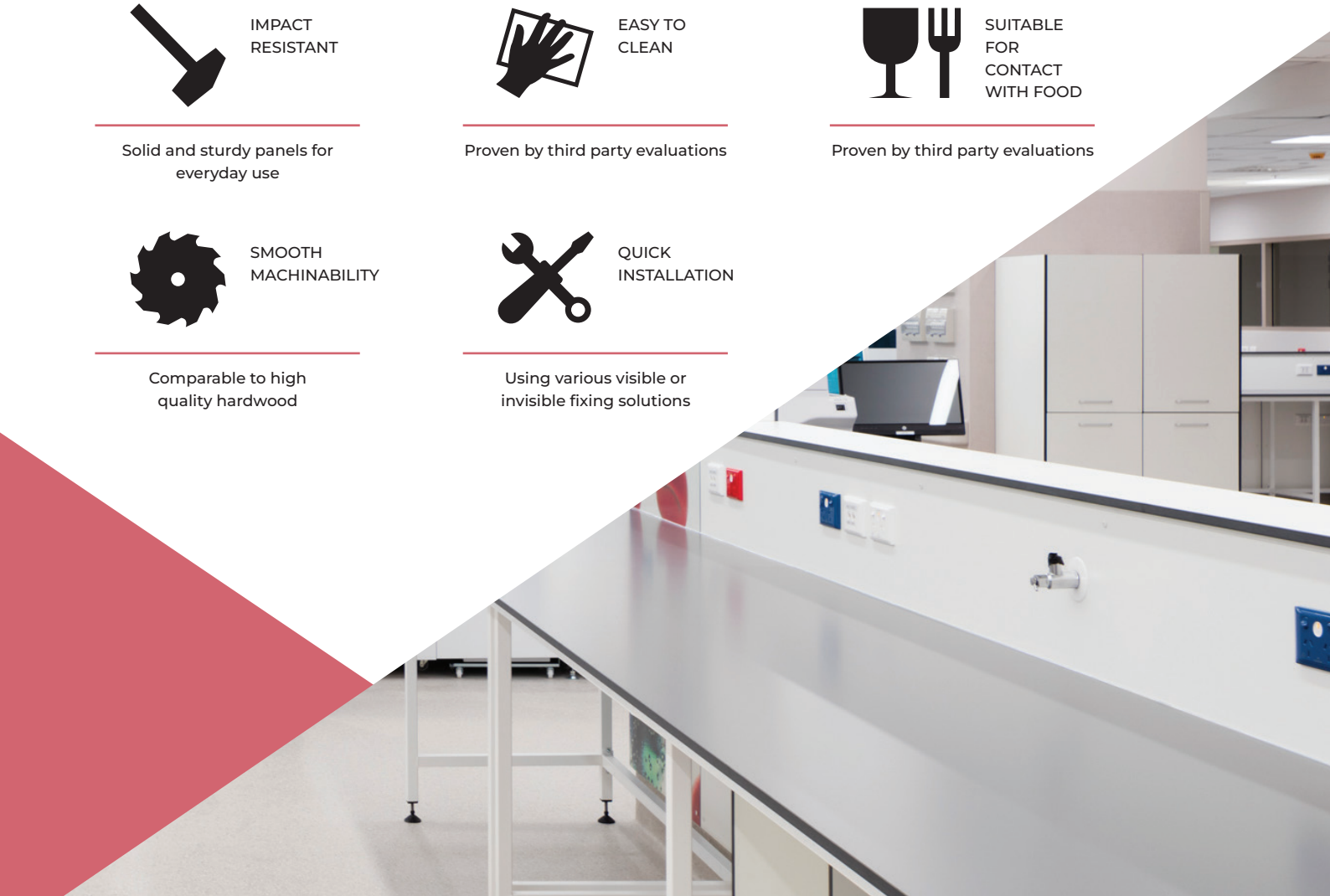
Proven by third party evaluations

SMOOTH MACHINABILITY

Comparable to high quality hardwood

QUICK INSTALLATION

Using various visible or invisible fixing solutions



Physical properties

Density	Typical	1350 - 1450 kg/m³	
Panel Tolerances	Length	±5 mm	DIN 16929
	Width	±5 mm	DIN 16929
	Thickness	±0.15 mm	DIN 16929
Thickness Swell	24hr at 20°C	0.1 %	EIN 317
Resistance to Surface Wear *Type of Abrader: S-33*	Initial	700	Clause 10 of EN 438-2
	Final	1225	Clause 10 of EN 438-2
Resistance to Impact by Large Diameter Ball	Height > 2000 mm	Rating 5	Clause 21 of EN 438-2
Resistance to Scratching		Rating 3	Clause 25 of EN 438-2
Resistance to Dry Heat, 180°C		Rating 5	Clause 16 of EN 438-2
Resistance to Water Vapour		Rating 5	Clause 14 of EN 438-2
Resistance to Immersion in Boiling Water	0.29 Thickness, 0.05 Mass	Rating 5	Clause 17 of EN 438-2
Dimensional Stability at Elevated Temperature in Machine Direction	Dry Heat	0.05 %	Clause 17 of EN 438-2
	High Humidity	0.05 %	Clause 17 of EN 438-2
Resistance to Cigarette Burns		Rating 5	Clause 30 of EN 438-2
Resistance to Crazing		Rating 5	Clause 24 of EN 438-2
Flexural Strength	Machine Direction	118 MPa	ISO 178
	Cross-Machine Direction	156 MPa	ISO 178
Flexural Modulus	Machine Direction	9780 MPa	ISO 178
	Cross-Machine Direction	14800 MPa	ISO 178
Tensile Strength	Machine Direction	124 MPa	ISO 527
	Cross-Machine Direction	95.1 MPa	ISO 527
Elongation at Break	Machine Direction	0.8 %	ISO 527-4
	Cross-Machine Direction	1.0 %	ISO 527-4
Modulus of Elasticity	Machine Direction	14810 MPa	ISO 527-4
	Cross-Machine Direction	10900 MPa	ISO 527-4
Resistance to Staining	Reagents 1-4	Rating 5	Clause 26 of BS EN 438-2
Colour Stability	Blue Wool Standard	Min 6	AS/NZS 2924.1
Fire Hazard Indices	Ignitability Inde	CAS 10 - 12	AS/NZS 1530.3
	Spread of flame index	CAS 0 - 4	AS/NZS 1530.3
	Heat evolved index	CAS 2 - 4	AS/NZS 1530.3
	Smoke developed index	CAS 2 - 4	AS/NZS 1530.3

*Data in the physical properties table represents typical values and are to serve only as a guide for engineering design. Results are obatained under ideal laboratory conditions. Right to change phsical preoperties as a result of technological progress is reserved.

Chemical and Stain Resistant

NovaLab Duratop is tested for chemical and stain resistance using the same test methodology as outlined in AS/NZS 2924.1 1998. Each of the chemicals listed below is placed on the work surface, covered with a 1" (25.4mm) watch glass and left for 16 to 24 hours. The surface is then evaluated for damage, colour change or staining.

Acetic Acid *(all concentrations)**
Acetone*
Ag Eosin Bluish 5% in alcohol
Alconox
Aluminion
Ammonium Hydroxide *(all concentrations)*
Ammonium Phosphate
Amyl Acetate*
Amyl Alcohol*
Aqua Regia***
Aromatic Ammonia
Benedict's Solution
Bromothymol Blue
Butyl Alcohol*
Calcium Hydrochlorite *(conc)*
Camphorated para-Chlorophenol
Carbon Disulphide*
Carbon Tetrachloride*
Cellosolve
Chlorobenzene
Chloroform
Chromic Trioxide***
Copper Sulphate
Cresol
Cresol Red
Crystal Violet
Dimethyl Formamide
Dioxane
EDTA
Ethyl Acetate*
Ethyl Alcohol
Ethylene Glycol
Eucalyptol
Formaldehyde
Formalin*
Formic Acid *(all concentrations)****
Gasoline
Gentian Violet *(1%)***
Glacial Acetic Acid *(99%)**
Gram Stains
Hydrochloric Acid *(all concentrations)****
Hydrochloric Acid *(48%)****
Hydrogen Peroxide *(3%)*
Iodine
Karl Fisher Reagent
Kerosene
Lactated Ringers
Malachite Green
Methanol*
Methyl Ethyl Ketone
Methyl Methacrylate
Methyl Orange
Methyl Red
Methylene Blue
Methylene Chloride
Mineral Oil
Monsel's Solution
Naphtha
Naphthalene
n-Hexane
Nitric Acid *(all concentrations)****
Perchloric Acid *(all concentrations)****
Petroleum Jelly
Phenol *(all concentrations)*
Phenolphthalein
Phosphate Buffered Saline
Phosphonc Acid *(all concentrations)****
Picric Acid *(1.2%)****
Pine Oil
Potassium Permanganate***
Povidone Iodine
Procaine
Quatemary Ammonium Compounds
Safranin O
Silver Nitrate**
Sodium Azide
Sodium Chromate
Sodium Hydroxide *(all concentrations)***
Sodium Hypochlorite *(5%)**
Sodium Sulphide *(15%)*
Sodium Thiocyanate
Sucrose *(50%)*
Sudan III
Tannic Acid *(saturated)**
Tetrahydrofuran
Thymol and Alcohol
Thymol Blue
Tincture of Iodine
Tincture of Mercurochrome
Tincture of Merthiolate
Toulene
Trichloroethane
Trisodium Phosphate *(30%)*
Urea
Uric Acid *(saturated)**
Vegetable Oil
Wright's Blood Stain
Xylene
Zephiran Chloride
Zinc Chloride
Zinc Oxide Ointment

* Side Effect - usually slight staining
** Moderate Effect - may include surface stains, or slight surface damage or roughness
*** Severe Effect - including heavy staining, pitting or cratering of the surface
Other chemicals have no effect

Solid

Surface	Highly resistant decorative paper
Core	Black
Thickness	6 mm
	13 mm
Size	3660 mm x 1830 mm
Finish	Satin

0100 T
Arctic White

0103 T
Dust Grey

Sumerstone

Double sided decorative
Same colour for front and reverse side of the panel.

Environmental Certification

Certifi cation No.
MyHP00037/17-B002

Biofi bre Composite
SIRIM CRITERIA 005:2010
Certifi cation No. EL000074

Certifi cation No. 042-033-2065
Environmentally Improved Low Emission Low Toxicity

Novalab Systems Ltd.
11 Copsey Place, Avondale,
Auckland, New Zealand

T 09 828 5174
E info@novalab.co.nz
W novalab.co.nz

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