
IPS Vanity Unit and Toilet Cubicles (Total Laminate Systems)

Contents

Total Laminate Systems

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Contents

Scope of Works

Certificates/Warranties/Guarantees

Cleaning and Maintenance Regimes

Data Sheets



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Scope of Works



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TOTAL LAMINATE SYSTEMS

**Operation
&
Maintenance
Manual**

Contractor

Winvic Construction Ltd

Site Reference

Wingates – Plot 3 – P23-012

**Site Offices,
Wingates Industrial Park,
Great Bank Road,
Bolton, BL5 3XN**

Doc ref: OM-F6199

Date: 18/04/2024.

TOTAL LAMINATE SYSTEMS LTD.

11 Nimrod Way, East Dorset Trade Park, Wimborne, Dorset BH21 7SH

Tel: 01202 877 600 Fax: 01202 861638 email: sales@total-laminate.co.uk url: www.total-laminate.co.uk

REGISTERED HEAD OFFICE AS ABOVE
Registered in England and Wales No: 2793768

Scope of Works:

Manufacture, supply, and installation of washroom furniture including duct access panelling, and vanities.

Duct Access Panels:

Range – DAPS1 – Dry Spec

Panels: Manufactured from Polyrey 12mm Compact Grade Laminate.

Flash-gaps: TLS – General Specification – Manufactured from Polyrey High Pressure Laminate bonded to 18mm Moisture Resistant MDF core.

Range – DAPS1 – Wet Spec

Panels: Manufactured from Polyrey 12mm Compact Grade Laminate.

Flash-gaps: Manufactured from Polyrey 12mm Compact Grade Laminate.

All panels have been mounted onto a par softwood system, cloaked in factory bonded flash–gaps which include headers for ceiling trades and plinths for floor finishes.

Vanities:

Type -

Top: Manufactured from Polyrey 12mm Compact Grade Laminate.

Under Panels: Manufactured from Polyrey 12mm Compact Grade Laminate.

Flash-gaps: TLS – General Specification – Manufactured from Polyrey High Pressure Laminate bonded to 18mm Moisture Resistant MDF core.

Guarantee & Warranty Statement:

TLS products come with back-to-back 12-month defects under your contract. The product is a bonded product that Total Laminate Systems buys core materials in and manufactures from them. We will replace any product on site during your 12 months defects if the product was to be found to be faulty in manufacture or installation. We do not cover for any water penetration into the products from a 3rd party service or pipe work running through our panels, or wanton acts of vandalism or general wear and tear damage by others.

There is only a certified warranty for compact grade laminate. Our standard bonded products do not have any certs or official warranties. This is the same for all sites we work on and is the same statement we would put out for all our manufactured products, excluding compact grade laminate.

Drawings:

TLS-F6199-01 to 07 – As Built Issue

PDF's and DWG's will be sent to Jodie Simpson @ Winvic as soon as they have been raised.

Replacements:

Please note that all spares/replacement component parts can be purchased from us. Our phone number and email address to use are below.

Phone number: 01202 877 600.

Email address: sales@total-laminate.co.uk

Please ensure to use our doc ref of F6199 in any correspondence for this project.

Maintenance & Cleaning Instructions

Laminate Partitions, Duct Panels & Doors, and Vanity Units

Laminate surfaces are best kept clean by using water and mild detergent. Persistent marks can be removed by using a mild abrasive cleaner. On no account, however, should scouring pads or harsh abrasive cleaning agents be used. Non-scratch liquids, creams, or pastes, such as “CIF”, “FLASH” or “AJAX” are recommended, as they will not alter the surface appearance. In a more industrial context where the surface has become discoloured by long term exposure to tobacco smoke or industrial grime, cream cleaners containing mild abrasives are very effective, but should be carefully used.

The above cleaners will also be found useful in removal of ball pen marks and indelible felt pen inks. A few drops of methylated spirits on a clean cloth will also assist greatly in the removal of ink markings.

Safe Removal of Panels for maintenance

Total Laminate Systems Ltd will ensure that all our panels are securely installed at initial installation.

We cannot accept liability for any claims for damage caused by duct/wall panels subsequently moving and/or falling, where other trades have removed and reaffixed our panels during or after our scheduled works on site.

Should any other trades need to remove duct/wall panels after final installation they should have included our recommended procedure for removing panels into their Safe System of Work prior to carrying out the activity.

Where other trades have removed our panels, for any reason, it will be the responsibility of them to ensure that the panels have been securely and properly reinstalled on all clips.

Recommended Procedure for Removing Duct/Wall Panels:

- Ensure the floor area around where the ducts are to be removed is clear of tripping hazards.
- Ensure there is suitable lighting around the work area.
- Wear appropriate PPE.
- Consult with the as built drawings and establish which panels have been secured as 'lift off' (L), 'Push on' (P), and or 'Fixed' (F).
- Use 2 sets of heavy-duty glazing suction pads per panel.
- Where there is more than one panel (e.g., 3 or 4 panel duct set) the top panel should be removed first and continue to remove lower panels one at a time working downwards.
- 'Lift Off' – Apply the glazing suckers securely, push the panel vertically upwards approx. 60mm, using both hands, until it clears the clips and then carefully remove and store horizontally off the ground. Do not lean panels against walls.
- 'Fixed' – Remove the retaining screws that will go through the middle of the lift of clips on the rear of the panel before following the 'lift off' instruction above.
- 'Push On' – Apply the glazing suckers securely, pull the panel towards you until the panel comes free of the clips.
- DO NOT use screwdriver or any other tools to try to lever off panels as you may break the clips.
- DO NOT remove the middle or lower panel without first removing any panels above it, as this could cause occasion for higher panels to become dislodged, break free of the clip, and fall from height.
- To refit the panels, follow the above in reverse order starting with the lower panels moving upwards and check panels have engaged clips properly before moving onto the next panel.

The panels will vary in weight and size and TLS recommend any panel over 800mm wide is always advised to have 2 people in attendance to ensure safe removal and to spot the person removing the panel. Please adhere to good manual handling practices when removing and refitting panels. (Position, assess, lift, and move).

Certificates/Warranties/Guarantees

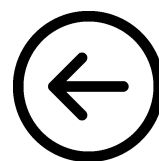
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Cleaning and Maintenance Regimes



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Cleaning and Maintenance Regimes

This maintenance schedule for **P23-012 Wingates Plot 3** is to be followed from PC date **01/07/2024** year on year to ensure all plant and equipment is kept within warranty.

Please keep a log of these inspections so that records can be checked should an issue arise.

Code; ✓ Blue – Recommended ✓ Red – To Maintain Warranty

Item	Daily	Weekly	Monthly	3 Months	6 Months	9 Months	Annually	5 Yearly	Certificates	Regime
DAPS1 and Vanities	✓									Laminate surfaces are best kept clean by using water and mild detergent. Persistent marks can be removed by using a mild abrasive cleaner. On no account, however, should scouring pads or harsh abrasive cleaning agents be used. Non-scratch liquids, creams or pastes, such as "CIF", "FLASH" or "AJAX" are recommended, as they will not alter the surface appearance. In a more industrial context where the surface has become discoloured by long term exposure to tobacco smoke or industrial grime, cream cleaners containing mild abrasives are very effective, but should be carefully used. The above cleaners will also be found useful in removal of ball pen marks and indelible felt pen inks. A few drops of methylated spirits on a clean cloth will also assist greatly in the removal of ink markings.

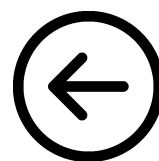
Item	Daily	Weekly	Monthly	3 Months	6 Months	9 Months	Annually	5 Yearly	Certificates	Regime



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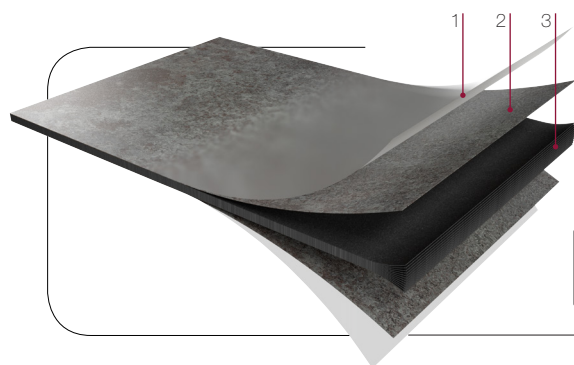
Data Sheets



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REYSITOP® Compact Solid Grade Laminate



- 1/ High-resistance overlay
- 2/ Decorative sheet impregnated with melamine resin, identical on both sides
- 3/ Extra-black core composed of layers of kraft paper impregnated with phenolic resin



Properties

- Self-supporting (≥ 8 mm)
- Machinable throughout its thickness
- High resistance PROTECT+
- Sanitized® anti-bacterial. Contains biocidal substance (silver phosphate glass).
- PEFC™ & GREENGUARD GOLD eco-certification
- Suitable for food contact



Abrasion resistant



Impact-resistant



Heat-resistant



Moisture-resistant



Suitable for food contact



Easy to maintain



Easy to fabricate

Applications

- Kitchen fitting: worktops, table tops, splashbacks, legs, cabinet door/drawer...
- Furnishing of reception areas (reception desk, counter) and bar counter.
- Creation of table tops, with base or on a pedestal.
- Wall coverings, in public spaces lounges, sales areas.
- Creation of designer furniture with clean and elegant lines.



6 and 8 mm : wall covering, furniture on supporting structures (frame, pedestal).
10 and 12,5 mm : work surface / table top, self-supporting structures.

Product Offer

SIZE		307 × 132 cm
FINISH		ROCHE – GRANIT – ALLIAGE – LINIMAT
GRADE	Standard	6 - 8 - 10 - 12,5 mm

REYSITOP® Compact Solid Grade Laminate



QUALITY	Standard
FINISHES	ROCHE – GRANIT – ALLIAGE – LINIMAT
THICKNESS	6 - 8 - 10 - 12,5 mm
CLASSIFICATION	CGS

CHARACTERISTICS	STANDARD	UNITS	
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Physical and dimensional properties

Density	EN ISO 1183-1	g/cm ³	≥ 1,35
Thickness tolerance	EN 438-2-5	mm	6 mm : ± 0,40 / 8-10 mm : ± 0,50 / 12,5 mm : ± 0,60
Length and width tolerance	EN 438-2-6	mm	- 0 / + 10
Straightness tolerance	EN 438-2-7	mm/m	≤ 1,5
Squareness tolerance	EN 438-2-8	mm/m	≤ 1,5
Flatness tolerance	EN 438-2-9	mm/m	6-8 mm : ≤ 5,0 10-12,5 mm : ≤ 3,0
Dimensional stability at high temperature • Longitudinal • Transverse	EN 438-2-17	%	6-8-10-12,5 mm : ≤ 0,30 6-8-10-12,5 mm : ≤ 0,60

Mechanical properties

Modulus of elasticity	ISO 178	MPa	≥ 9000
Bending strength	ISO 178	MPa	≥ 80
Surface cohesion	ISO R527	MPa	≥ 60
Resistance to boiling water • Mass increase • Thickness increase • Appearance	EN 438-2-12	% % Class ^(a)	≤ 2 ≤ 2 4
Impact resistance of a 324 g ball (drop height for ≤ 10 mm diameter imprint)	EN 438-2-21	mm	6-8-10-12,5 mm ≥ 2000
Resistance to surface cracking	EN 438-2-24	Class ^(c)	4

Surface properties

Surface defects • Spots • Linear	EN 438-2-4	mm ² /m ² mm ² /m ²	≤ 1 ≤ 10
Abrasion resistance (initial point)	EN 438-2-10	Nb or rev.	≥ 400
Martindale test resistance - 160 random abrasion (Scotch Brite™ pad)	not standardised	Class ^(a)	4 to 5
Abrasimetre resistance - 3000 linear abrasion (steel wool)	not standardised	Class ^(a)	4
Resistance to steam	EN 438-2-14	Class ^(a)	4
Dry heat resistance 220 °C (for 10 min)	EN 438-2-16	Class ^(a)	4
Resistance to humidity	EN 12721	Class ^(a)	4
Scratch resistance	EN 438-2-25	Grad ^(b)	3
Stain Resistance • Groups 1 & 2 • Group 3	EN 438-2-26	Class ^(a)	5 4
Colour fastness under artificial light	EN 438-2-27	Greyscale	4 to 5
Resistance to cigarette burns	EN 438-2-30	Class ^(a)	3

Fire performance

Fire rating	EN 13501-1	Euroclass	< 8 mm : D, s2 - d0 / ≥ 8 mm : C, s1 - d0
Calorific value	EN ISO 1716	MJ/kg	18 - 20

Health and environmental characteristics

Food safe	EN 13130-1	-	Yes
Formaldehyde emission	EN 717-2	Classification	E1
Volatile organic compounds (VOC) emission	ISO 16000-9	Classification	A
	UL 2818		GREENGUARD GOLD
Antibacterial properties	JIS Z 2801	Reduction in %	> 99,9

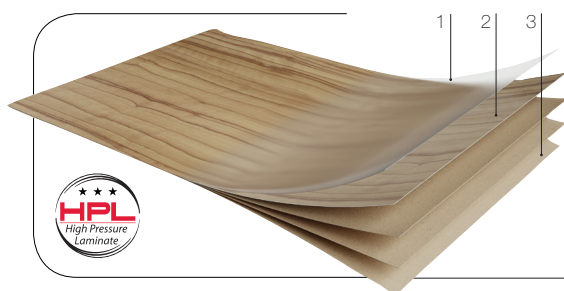
CGS: Standard Grade Compact.

^(a) Class: 1 = Surface damage. 2 = Severe appearance alteration. 3 = Moderate change. 4 = Slight change visible from certain angles. 5 = No change.

^(b) Grade: 2 = Continuous scratches at 2N. 3 = Continuous scratches at 4N. 5 = Continuous scratches at 6N.

^(c) Surface unchanged, with slight hairline edge cracks visible to the naked eye.

POLYREY HPL® High Pressure Laminate



- 1/ Protective overlay for printed decors.
- 2/ Decorative paper impregnated with melamine resin*.
- 3/ Layers of kraft paper impregnated with phenolic resin.



Properties

- A versatile, robust and hygienic surface.
- High resistance to external stress (abrasion, impacts, stains, etc.).
- Silver ion-treated, antibacterial Sanitized®* grade.
- Non porous, waterproof surface.
- Food safe (IANESCO approved).
- TOUCH Finish (anti-finger print): superficial scratches are repairable with a sponge eraser or a wet cloth with an iron. **



crack resistant



impact resistant



abrasion resistant



moisture resistant



colour fastness under artificial light



scratch resistant



heat resistant



ease of maintenance



resistant to cigarette burns



resistant to chemical and household products

Applications

- Suitable for high-traffic public environments: retail, hotel, office, education, health, etc.
- Suitable for covering vertical surfaces (doors, wall panels) as well as horizontal surfaces (worktops, furniture).
- Suitable for bonding to all type of substrate (wood, metal, mineral, honeycomb, etc).
- Can be cold bent or postformed for curved surfaces.

82 decors available for door applications in 215 x 97cm and 245 x 124cm.

MED certified for marine applications. Other transport certificates: upon request.

PROTECT+ GRANIT finish recommended for intensive horizontal uses.

Product Offer

SIZE		215 x 97 cm	245 x 124 cm	307 x 124 cm	307 x 132 cm		305 x 132 cm
FINISH		FA - EXM	FA	FA BRIHG	FA - GRAIN - GRANIT - ROC SURF - SOFT - EXM - LEG - ALG	EPM - BRIHG	TOUCH
GRADE	Standard	■	-	-	■	■	■
	Postforming	-	■	■	■	-	-
	Fire retardant	■	■	■	■	■	-

All finishes are available in 0.8 mm thickness, except BRIHG finish which is offered in 1 mm thickness for superior shine.

HPL larger sheet sizes (412x151 cm and 432x166 cm) are available upon request, please contact us.

*Excluding Touch (TCH).

**If the damages are significant we can't guarantee a complete refurbishment but defects will be mitigated. The sponge eraser must be occasionally used.

POLYREY HPL® High Pressure Laminate

CHARACTERISTICS	DECOR / FINISH		All except Pearlescent decors, EPM and BUBBLES	Pearlescent decors, EPM and BUBBLES	Digital Signature
	THICKNESS		0.8 mm (except BRIHG 1 mm)		
	GRADE		Standard - Postforming - Fire retardant		Standard - Fire retardant
	CLASSIFICATION		HGP - HGS - HGF	VGP - VGS - VGF	HGS - HGF - VGS - VGF
Conforms EN 438-3		STANDARD	UNITS		

Physical and dimensional properties

Density	EN ISO 1183-1	g/cm³	≥ 1.35	≥ 1.35	≥ 1.35
Thickness tolerance	EN 438-2-5	mm	± 0.1	± 0.1	± 0.1
Length and width tolerance	EN 438-2-6	mm	- 0 / + 10	- 0 / + 10	- 0 / + 10
Straightness tolerance	EN 438-2-7	mm/m	≤ 1.5	≤ 1.5	≤ 1.5
Squareness tolerance	EN 438-2-8	mm/m	≤ 1.5	≤ 1.5	≤ 1.5
Flatness tolerance	EN 438-2-9	mm/m	60	60	60
Dimensional stability at high temperature - Longitudinal - Transverse	EN 438-2-17	%	≤ 0.55 ≤ 1.05	≤ 0.75 ≤ 1.25	≤ 0.55 ≤ 1.05

Mechanical properties

Resistance to boiling water	EN 438-2-12	Class ^(a)	BRIHG: 3 / Others: 4	BRI: 3 / Others: 4	1
Impact resistance (small diameter ball)	EN 438-2-20	N	≥ 20	≥ 15	≥ 20
Impact resistance (large diameter ball) (drop height for ≤ 10mm diameter imprint)	EN 438-2-21	mm	≥ 800	≥ 600	≥ 800
Resistance to cracking	EN 438-2-23	Class ^(a)	4	4	4
Minimum bending radius (convex and concave)		cm	HGP: 10 / HGS - HGF: 20	VGP: 10 / VGS - VGF: 20	20

Surface properties

Surface defects - Spots - Linear	EN 438-2-4	mm²/m² mm/m²	≤ 1 ≤ 10	≤ 1 ≤ 10	≤ 1 ≤ 10
Abrasion resistance (initial point)	EN 438-2-10	No. of revolutions	GRANIT: ≥ 450 / Others: ≥ 150	EPM: ≥ 100 / Others: ≥ 50	≥ 150
Resistance to steam	EN 438-2-14	Class ^(a)	BRIHG: 3 / Others: 4 / TCH: 5	BRI: 3 / Others: 4	1 to 4 depending on DECOR
Dry heat resistance 180 °C	EN 438-2-16	Class ^(a)	BRIHG: 3 / Others: 4 / TCH: 5	BRI: 3 / Others: 4	BRI: 3 / Others: 4
Resistance to humidity	EN 12721	Class ^(a)	BRIHG: 3 / Others: 4 / TCH: 5	BRI: 3 / Others: 4	BRI: 3 / Others: 4
Scratch resistance	EN 438-2-25	Grade ^(b)	BRIHG: 2 / Others: 3 / TCH: 4	BRI: 2 / Others: 3	BRI: 2 / Others: 3
Stain Resistance - Groups 1 & 2 - Group 3	EN 438-2-26	Class ^(a)	5*** 4	5 4	5 4
Colour fastness under artificial light	EN 438-2-27	Grayscale	4 to 5	4 to 5	4 to 5
Resistance to cigarette burns	EN 438-2-30	Class ^(a)	3	3	3

Postforming properties (Postforming HPL only)

Minimum Postforming radius	EN 438-2-31 or 32	mm	Th. 0.8 mm ≥ 8 mm*	Th. 0.8 mm ≥ 8 mm	-
Blister resistance	EN 438-2-33 or 34	second	≥ 15	≥ 15	-

Fire performance

Fire rating	NFP 92-501	M Classification	Fire retardant: M1 Others: M3	Fire retardant: M1 Others: M3	Fire retardant: M1 Standard: M3
	EN 13501-1	Euroclasse	Fire retardant: B-s2,d0 / Others: D-s2,d1	Fire retardant: B-s2,d0 / Others: D-s1,d0	Fire retardant: B-s2,d0 / Others: D-s1,d0
Calorific value	EN ISO 1716	MJ/kg	18 - 20*	18 - 20	18 - 20

Health and environmental characteristics

Food safe	EN 13130-1		Yes	Yes	Yes
Formaldehyde emission	EN 717-2	Class	E1	E1	E1
Volatile organic compounds (VOC) emission	ISO 16000-9	Class	Others: A / TCH: A+	A	A
Antibacterial properties	JIS Z 2801	Reduction in %	> 99.9*	> 99.9	> 99.9

HGP: Horizontal Grade Postforming
HGS: Horizontal Grade Standard
HGF: Horizontal Grade Fire retardant grade

VGP: Vertical Grade Postforming
VGS: Vertical Grade Standard
VGF: Vertical Grade Fire retardant grade

^(a) Class: 1= Surface damage. 2= Severe appearance alteration. 3= Moderate change. 4= Slight change visible from certain angles. 5= No change.

^(b) Grade: 2= Continuous scratches at 2N. 3= Continuous scratches at 4N.

* Excluding Touch (TCH).

*** An exposure to hot liquids such as coffee or tea of more than 2H can cause slight stains on light surfaces.