MERINO

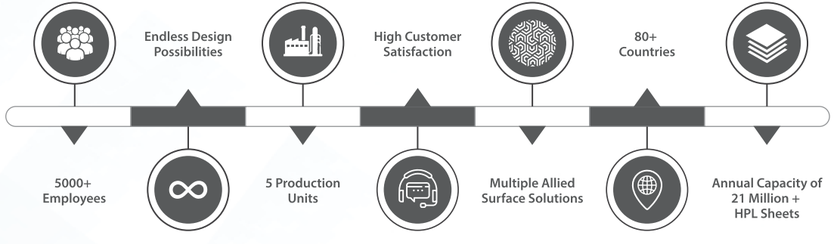
IMPREZA

WORKTOP SOLUTIONS

Worktop solutions from the house of **Merino**

About Merino

Since 1967, the journey of Merino has been an extraordinary tale of evolution. Beginning with the humble plywood, the group has constantly introduced new products based on top-of-the-line raw materials, production and technology to achieve the podium on which it stands today. As one of the world's largest manufacturers of decorative laminates, the Merino group is globally recognised as a leader in the industry of laminates and surface solutions. Products, technologies and techniques may have evolved but one thing is always constant - focus on quality and the zeal to bring world-class surface solutions for our customers. Today Merino Group has a beautifully strong presence in over 80 countries with an annual turnover of over 245 million USD with diverse business interests that expand from Interior Architectural products to Information Technology to Food & Agro products.



Certificates and Accreditations

At Merino, we strive to set higher benchmarks that allow us a global competitive advantage. Right from uncompromising safety standards, sustainable production and manufacturing processes to innovation centric research & development, we ensure a consistent range of superior quality products that comply with international certifications and accreditations.

"IGBC - MP - 081076"



What is Impreza?

Contemporary, efficient and robust, the all new range of Impreza worktop solutions is much more than your standard worktop. The super-thin appearance creates the most contemporary and cutting edge design statement. Its unicolour core offers complete design flexibility to incorporate curves without the need for re-edging.

How is Impreza better than others?

Built with the superior technology of Merino, these sturdy compacts are designed for the most demanding of usage without compromising on style and safety. In fact, these surfaces are incredibly durable and offer 2-3 times better abrasion and scuff resistance than normal compacts. Compared to conventional natural surfaces that are porous and microbe prone, Impreza is resistant to such harmful infestations.

Impreza Interiors

This impressive range of worktops offers exciting possibilities for your design needs. Be it the elegant and luxurious Super Matte variant, the high performance-driven EP or niche scientific worktops that efficiently dissipate Electrostatic charges and offer tough chemical resistance, Impreza takes care of all your worktop requirements.



Impreza Exteriors

There is more to Impreza than just interiors. The range is also available for outdoor worktop solutions. Designed to withstand tough weather conditions and the harsh UV rays, the Impreza PRO ensures that your worktops last a lifetime. Created with the all new Cross Linking Polymer Technology, these surfaces offer light fastness and resistance to cracks and climatic shocks.





IMPREZA
HAUTE MATTE
Super Matte Worktops

TOUCH-THE FIRST SENSE

The satin-smooth texture of this range of surfaces offers it an enticing allure. Super Matt Worktop surfaces feature Fin-Guard, making them highly fingerprint resistant, and allowing you to appreciate every inch of your home, unblemished.

IMPREZA HAUTE MATTE
(Super Matte Worktops)

Key **Features**

- Limitless Design Possibilities
- High Scratch Resistance
- Satin Smooth Touch
- Haute Matte
- Fingerprint Resistant
- Anti Bacterial
- Anti Fungal
- Stain Resistance
- High Impact Resistance
- Chemical Resistance as per SEFA 8.1
- High Abrasion Resistance
- High Moisture Resistance
- Safe for Food Contact

Composition

Top Layer
Highly functional Electron beam cured acrylic resin coating

Décor Layer
Plain color or Printed Paper impregnated in MF resin is pressed under high temperature and pressure

Underlay
Applicable for Plain Colors Barrier paper is impregnated in MF resin



Core
High quality kraft paper impregnated with Phenol Formaldehyde resin is used as the core of the compact to achieve the required thickness of the product

Test Values of Merino Impreza Haute Matte as per **EN-438-4**

Product: Bloc Thickness: 12 mm Finish: Luvih Grade: CGS

Property	Test Method as EN:438-2	Property or Attribute	Unit of Measurement (max or min)	Standard values	Merino Values
Thickness Tolerance	5	Dimension	12.0 mm <t<16.0 mm	±0.60 mm	±0.50 mm
Length and Width	6	Dimension	mm	+ 10	+8
				- 0	-0
Density	EN ISO 1183		g/cm³	1.35	1.40
Resistance to Surface wear	10	Wear Resistance (IP)	Revolution(min)	150	>450
Resistance to Immersion in boiling water	12	Increase in Mass	% (max)	2.0	0.95
		Increase in Thickness	% (max)	2.0	1.05
		Surface Appearance	Rating (min)	4	4
		Edge Appearance	Rating (min)	3	3
Resistance to Water Vapour	14	Appearance	Rating (min)	4	4
Resistance to Dry Heat (160°)	16	Appearance	Rating(min)	4	4
Dimensional Stability at Elevated temp.	17	Cumulative dimensional change	Machine direction (max %)	0.30	0.15
			Cross direction (max %)	0.60	0.35
Resistance to Wet Heat (100ºC)	18	Appearance	Rating(min)	4	4
Resistance to Impact (Large dia ball)	21	Drop Height	mm (min)	1800	>2000
Resistance to Crazing	24	Appearance	Grade (min)	4	4
Resistance to Scratching	25	Force (Rating min)	-Textured Finish	3	4
Resistance to Stains	26	Appearance	Group 1 & Group 2	5	5
			Group 3	4	4
Light Fastness (Xenon Arc)	27	Contrast	Grey Scale Rating (min)	4-5	5
Flexural Modulus	EN ISO 178	Stress	MPa (min)	9000	>10000
Flexural Strength	EN ISO 178	Stress	MPa(min)	80	>90
Tensile Strength	EN ISO 527	Stress	MPa(min)	60	80

Feature Properties

Property	Test Standard	Attribute or Simulant	Unit of Measurement (max or min)	Standard values	Merino Values
Resistance to Chemicals	Chemical Spot Test SEFA 8.1 PL 2016	Appearance	Pass	Pass	Pass for all 49 reagents
Specific Migration	EN 13130-1:2004	3% Acetic Acid	mg/kg	Not detected	Conforms
Overall Migration of plastic	EN 1186	3% Acetic Acid 95% Ethanol Iso-Octane	mg/kg	Not detected	Conforms
Food Contact Safe	Regulation (EU) No.10/2011	Food Contact Materials Performance	Compliant Conditions of use reported in the declaration of conformity		
Anti-Bacterial Efficacy	JIS Z 2801:2010	Microbial activity & microbial kill	R≥2	Passes the Quantitative assessment of Activity	Complies
Anti-Fungal Efficacy	ASTM G-21:2015	Anti-Fungal Qualitative	Traces of Growth	Rating 0	Complies

Disclaimer : Tough whitish oily stains on the Luvih surfaces should be cleaned first with warm water and soap. Dry the surface and then clean with Melamine Foam to make the surface fully cleaned

Availability Matrix

Product	Thickness	Sizes in feet	Finishes
Haute Matte	10 mm & 12 mm	4x8, 4x10, 4.3x8, 4.3x10, 5x14	Luvih

Other thickness is available upon request

Design Range

ONETONE



27121
Tulip White



27111
Ivory White



27159
Fog Grey



27106
Charcoal

STONES



37304
Breccia Marble



37307
Vinson Marble



37308
Lhotse Granite



37303
Matterhorn Marble



37306
Borazo Marble



37305
Marquina Marble

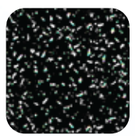
STARDUST



27G01
Fair Glimmer



27K09
Anchor Mosaic



27K06
Night Mosaic



27G06
Coal Glimmer

SOLIDS

27181
Chalky White



27191
Pastry White



27131
Coconut White

27117
Seasand



27189
Blaze Grey



27151
Harbor Grey



27107
Umber



27113
Aquagreen



27132
Blue Morpho



27108
Coffee



27169
Lead Grey



27179
Anchor Grey



27106
Charcoal



27209
Fossil Grey

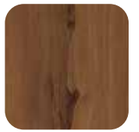


27139
Shadow Grey

WOOD GRAINS



37302
Fawn Wood



37301
Montery Elm

For more information visit www.merinolaminates.com

The design range shown is for representative purpose only.
Luvih surfaces are available across product categories & in a multitude of designs across **Merino** universe.



IMPREZA EP

Colorcore Worktops

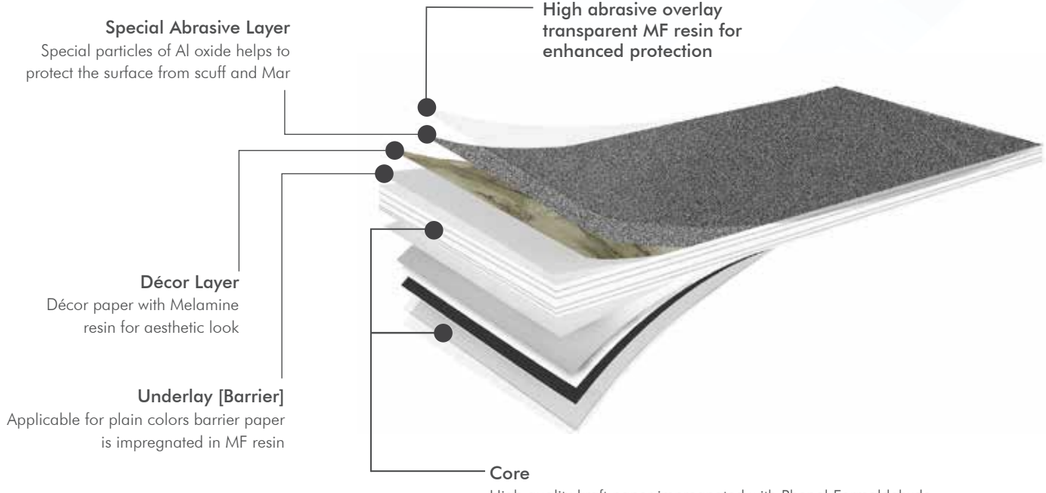
An enhanced performance product that keeps its good looks longer in better surface features and benefits. Our EP technology deposits aluminium oxide particles in top surface layer for superior durability, abrasion resistance, print fidelity and color saturation and provides better Abrasion Resistance than normal compact. Available in all design and sizes and comes with unicolor core options

IMPREZA EP
Colorcore Worktops

Key **Features**

- 2x Abrasion Resistant
- Heat Resistant Upto 220° C
- High Scratch Resistance
- Anti Fungal
- Anti-Bacterial
- Moisture Resistant
- Impact Resistant
- Stain Resistant

Composition



Test Values of Merino Impreza EP as per **EN-438-4**

Product: Impreza EP Thickness: 12 mm Finish: Sandstone Grade: CGS

Property	Test Method as EN:438-2	Property or Attribute	Unit of Measurement (max or min)	Standard values	Merino Values
Thickness Tolerance	5	Dimension	12.0 mm ≤t<16.0 mm	±0.60 mm	±0.50 mm
Length and Width	6	Dimension	mm	+ 10	+8
				- 0	-0
Edge Straightness (max.)	7	Max deviation	mm/m	1.5	0.54
Edge Squareness (max)	8	Max deviation	mm/m	1.5	0.35
Flatness	9	Max deviation	mm/m	3.0	1.45
Density	EN ISO 1183		g/cm^3	1.35	1.40
Resistance to Surface wear	10	Wear Resistance (IP)	Revolution(min)	150	450
Resistance to Immersion in boiling water	12	Increase in Mass	% (max)	2.0	0.38
		Increase in Thickness	% (max)	2.0	0.42
		Surface Appearance Gloss Finish Others	Rating (min)	3 4	5
		Edge Appearance	Rating (min)	3	3
Resistance to Water Vapour	14	Surface Appearance Gloss Finish Others	Rating (min)	3 4	5
Resistance to Dry Heat (160°)	16	Surface Appearance Gloss Finish Others	Rating(min)	3 4	5
Dimensional Stability at Elevated temp.	17	Cumulative dimensional change	Machine direction (max %)	0.30	0.21
			Cross direction (max %)	0.60	0.32
Resistance to Impact (Large dia ball)	21	Drop Height	mm (min)	1800	1980
Resistance to Crazing	24	Appearance	Grade (min)	4	4
Resistance to Scratching	25	Force (Rating min)	-Smooth Finish -Textured Finish	2 3	3
Resistance to Stains	26	Appearance	Group 1 & Group 2	5	5
			Group 3	4	4
Flexural Modulus	EN ISO 178	Stress	MPa (min)	9000	>10000
Flexural Strength	EN ISO 178	Stress	MPa(min)	80	>80
Tensile Strength	EN ISO 527	Stress	MPa(min)	60	>60

Availability Matrix

PRODUCT	*THICKNESS	SIZES IN FEET	FINISHES
EP	10 mm & 12 mm	4x8, 4x10, 4.3x8, 4.3x10 5x8, 5x12, 5x14, 6x12, 6x14	SV, MT, SF, GLT, VNR

*Sizes will vary according to finish.

available in other thickness upon request

Design Range



14685
Intorta Wood

21741
Designer White



22099
Slate



21066
Black



40475
Blanco Ibiza



40477
Blanco Carrara



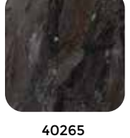
40001
Cloud Terrazzo



40215
Sunset Marble



40476
Duskberg Marble



40265
Ashes Granite



40478
Barmer Dark Marble



40002
Caster Terrazzo

The design range shown is for representative purpose only.

Finishes



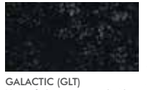
MATT (MT)
Non-reflective surface for an opaque look.



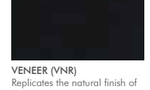
SUEDE (SF)
Matte texture with a soft-touch similar to the suede fabric.



SANDSTONE (SV)
Linear representation of ripples created in water.



GALACTIC (GLT)
Hints of gloss juxtaposed with a super matte finish.



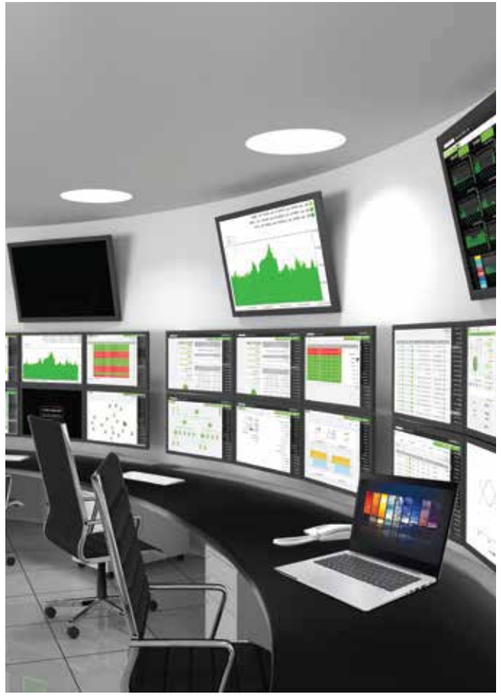
VENEER (VNR)
Replicates the natural finish of wood grain.

For more information visit www.merinolaminates.com

IMPREZA SCIENTIFIC

Worktops

Merino Scientific Worktops are developed to provide functional solutions to sensitive and harsh surfaces. They are specifically suited for applications where aesthetics, safety, functionality, and performance match the benefits. These worktops, intended for horizontal and vertical applications, are designed for environments highly prone to chemicals. High-performance electrostatic dissipative special grade surfaces help to minimize static charges on the surface. They are suited for applications where the safety and productivity of electrical gadgets is an added advantage







Electro Static Dissipative Worktops

ESD+

Impreza ESD+ (Electro Static Dissipative) Scientific Worktop are designed to minimize electrostatic charges in sensitive work environments. They offer some of the best ESD properties for worktop surfaces, and provide a safe environment for furniture used in Electrostatic Protected Areas (EPAs). This makes them perfect for settings such as IT offices, call centres, laboratories, pharmaceutical labs, and the electronics industry, as well as other offices.

IMPREZA SCIENTIFIC

Electro Static Dissipative Worktops

Key **Features**

- Electrostatic Dissipative
- Dust Repellent
- Avoids Sparks at work place
- Moisture Resistant
- Abrasion Resistant
- High Stain Resistant
- Scratch Resistance

Composition

Overlay
Transparent Melamine film for enhanced surface protection

Treated Décor Layer
Plain color or printed paper impregnated in MF resin

Underlay
Applicable for plain colors barrier paper is impregnated in MF resin

ESD Control Layer
Special conductive layer to ensure safe discharge of static charges



Treated Kraft Paper
High quality kraft paper impregnated with Phenol Formaldehyde resin is used as the core and provides the backing strength.

Safe discharge of static charges when used with proper grounding.

Test Values of Merino Standard Grade Compact as per **EN-438-4**

Product: ESD+ Thickness: 12 mm Finish: Suede Grade: CGS

Property	Test Method as EN:438-2	Property or Attribute	Unit of Measurement (max or min)	Standard values	Merino Values
Thickness Tolerance	5	Dimension	12.0 mm <t<16.0 mm	±0.60 mm	±0.50 mm
Length and Width	6	Dimension	mm	+ 10	+8
				- 0	-0
Density	EN ISO 1183		g/cm^3	1.35	1.40
Resistance to Surface wear	10	Wear Resistance (IP)	Revolution(min)	150	175
Resistance to Immersion in boiling water	12	Increase in Mass	% (max)	2.0	0.95
		Increase in Thickness	% (max)	2.0	1.05
		Surface Appearance (Finishes except gloss)	Rating (min)	4	4
		Edge Appearance	Rating (min)	3	3
Resistance to Water Vapour	14	Appearance (Finishes except gloss)	Rating (min)	4	4
Resistance to Dry Heat (160°)	16	-Gloss Finish (Appearance) -Other Finishes (Appearance)	Rating(min)	3 4	4 4
Dimensional Stability at Elevated temp.	17	Cumulative dimensional change	Machine direction (max %)	0.30	0.15
			Cross direction (max %)	0.60	0.35
Resistance to Wet Heat (100ºC)	18	-Gloss Finish (Appearance) -Other Finishes (Appearance)	Rating(min)	3 4	3 4
Resistance to Impact (Large dia ball)	21	Drop Height	mm (min)	1800	>2000
Resistance to Crazing	24	Appearance	Grade (min)	4	4
Resistance to Scratching	25	Force (Rating min)	-Smooth Finish -Textured Finish	2 3	2 3
Resistance to Stains	26	Appearance	Group 1 & Group 2	5	5
			Group 3	4	4
Light Fastness (Xenon Arc)	27	Contrast	Grey Scale Rating (min)	4-5	5
Flexural Modulus	EN ISO 178	Stress	MPa (min)	9000	>10000
Flexural Strength	EN ISO 178	Stress	MPa(min)	80	>90
Tensile Strength	EN ISO 527	Stress	MPa(min)	60	80

ESD+ Properties as per IEC 61340 & ESD S-4.1		
Test Condition : (Temp : 22ºC, Humidity : 42%)	Instrument Used : Megger	
	Preferred Value	Observed Value
Surface Resistance (Max.)	<1.0x10^9 Ohm	<1.0x10^8 Ohm
Point to Point Resistance (Max.)	<1.0x10^8 Ohm	<5.0x10^7 Ohm
Surface to Ground Resistance (Max.)	<1.0x10^9 Ohm	<2.0x10^8 Ohm

Availability Matrix

PRODUCT	THICKNESS	SIZES IN FEET	FINISHES
ESD+	10 mm & 12 mm	4x8, 4x10, 4.3x8, 4.3x10, 5x8, 5x12, 6x12, 6x14	Suede

ESD Flex available in 0.7mm thickness

available in other thickness upon request

Design Range

11005
Neo Highland Pine



10016
Precious Beech



10002
Mangfall Beech



10175
Asian Maple



10510
Magas Walnut Bronze



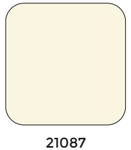
10019
Sapelle



21081
White Lily



21141
Snow White



21087
Almond



21187
Champagne



21069
Silver Grey



21369
Pebble Grey



21019
Folkstone Grey



21027
Irish Cream



21032
Ink



21066
Black

The design range shown is for representative purpose only.

For more information visit www.merinolaminates.com



Chemical Resistant Worktops

CHEM+

Impreza Chem+ Scientific Worktop is a specially manufactured worktop processed by electron beams to withstand harsh chemicals such as acids, alkalis and reagents. Its excellent chemical resistance makes it durable and suitable for various laboratory environments. The excellent quality and appearance allow for a range of creative designs.

IMPREZA SCIENTIFIC
Chemical Resistant Worktops

Key **Features**

- Chemical Resistant as per SEFA 3
- High Stain Resistant
- Scratch Resistance
- Anti Fungal
- Impact Resistant
- Moisture Resistant
- Anti-Bacterial
- Abrasion Resistant
- Non Porous Surface

Composition

Overlay
Transparent MF resin for enhanced protection



Electron Beam Cured Décor Layer
Décor paper with Melamine resin for aesthetic look.

Underlay
Applicable for plain colors barrier paper is impregnated in MF resin

Core
High quality kraft paper impregnated with Phenol Formaldehyde resin is used as the core to achieve the required thickness of the product

Test Values of Merino Impreza Chem+ Grade Compact as per **EN-438-4**

Product: CHEM+ Thickness: 12 mm Finish: Chempearl Grade: CGS

Property	Test Method as EN:438-2	Property or Attribute	Unit of Measurement (max or min)	Standard values	Merino Values
Thickness Tolerance	5	Dimension	12.0 mm <t<16.0 mm	±0.60 mm	±0.50 mm
Length and Width	6	Dimension	mm	+ 10	+8
				- 0	-0
Density	EN ISO 1183		g/cm3	1.35	1.40
Resistance to Surface wear	10	Wear Resistance (IP)	Revolution(min)	150	>250
Resistance to Immersion in boiling water	12	Increase in Mass	% (max)	2.0	0.95
		Increase in Thickness	% (max)	2.0	1.05
		Surface Appearance	Rating (min)	4	4
		Edge Appearance	Rating (min)	3	3
Resistance to Water Vapour	14	Appearance	Rating (min)	4	4
Resistance to Dry Heat (160°)	16	Appearance	Rating(min)	4	4
Dimensional Stability at Elevated temp.	17	Cumulative dimensional change	Machine direction (max %)	0.30	0.15
			Cross direction (max %)	0.60	0.35
Resistance to Wet Heat (100ºC)	18	Appearance	Rating(min)	4	4
Resistance to Impact (Large dia ball)	21	Drop Height	mm (min)	1800	>2000
Resistance to Crazing	24	Appearance	Grade (min)	4	4
Resistance to Scratching	25	Force (Rating min)	-Textured Finish	3	3
Resistance to Stains	26	Appearance	Group 1 & Group 2	5	5
			Group 3	4	4
Light Fastness (Xenon Arc)	27	Contrast	Grey Scale Rating (min)	4-5	5
Flexural Modulus	EN ISO 178	Stress	MPa (min)	9000	>10000
Flexural Strength	EN ISO 178	Stress	MPa(min)	80	>90
Tensile Strength	EN ISO 527	Stress	MPa(min)	60	80
Chemical Spot Test	SEFA 3	Appearance	Compliance Pass	Pass in 49 chemicals	

1) List of Chemicals: Impreza Chem.+ Lab grade worktop is Resistance to:

A) ACIDS: 1. Glacial Acetic Acid 99 % 2. Formic Acid-85% 3. Hydrochloric Acid-36% +. Nitric Acid-65 % 5. Sulfuric Acid-96% 6. Citric Acid-10%

B) ALKALIS: 1. Ammonium Hydroxide-28 % 2. Potassium Hydroxide-15% 3. Sodium Hydroxide-40% +. Sodium Sulphide-15%

C) GENERAL REAGENT: 1. Sodium Hypochlorite-5 % 2. Hydrogen Peroxide-3% 3. Sucrose-50% +. Mineral Oil 5. Vegetable Oil 6. Ethylene Glycol 7. Benedics solution. 8. Trisodium Phosphate

D) SOLVENT: 1. Acetone 2. Benzene 3. Carbon tetrachloride +. Ethyl Acetate 5. Ethyl Methyl ketene 6. Tolune 7. Xylene.

E) HOSPITAL & HEALTH CARE: 1. Amyl Alcohol 2. Aniline Blue 3. Chloroform +. Ethyl Alcohol 5. Iodine Tincture 6. Isopropyl Alcohol 7. Tincture Benzene Compound 8. Zink Oxide 9. PVP Iodine Swab.

F) HOUSE HOLD PRODUCTS: 1. Ceramic Cook top Cleaner 2. Cook top cleaning cream ' . Chlorine Bleaches 3. Coffeepot cleaners & Hair coloring 4. Nail Polishes 5. Shoe Polishes %Lime Removers 6. Metal cleaners 7. Stain remover 8. Rust Remover 9. Oven Cleaners 10. Toilet Bowl Cleaners. 11. Sami-flush 12. Pencil 13. Wax Crayon. 14. Yellow Mustard.

2) Durability- Impreza Chem. + Lab Grade worktop provide a highly durable surface and has better abrasion & scratch resistance than normal grade.

3) Chemical Spot test as per SEFA 3-2010 for 1 mm & 16 mm - CHEM+ passes chemical resistance for all 49 chemicals in 24 hour chemical spot test.

24 Hour Chemical Spot Test As Per **SEFA-3**

Merino CHEM+ product have been tested for the requirement of the 24-Hour Chemical Spot Test, SEFA 3-2010. All the chemical 49 reagents have passed the requirement.

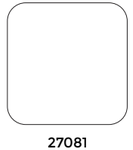
S. No	Chemical Name	S. No	Chemical Name
1	Amyl Acetate	26	Iodine, Tincture of
2	Ethyl Acetate	27	Methyl Ethyl Ketone
3	Acetic Acid 98%	28	Methylene Chloride
4	Acetone	29	Monochlorobenzene
5	Acid dichromate (5%)	30	Napthalene
6	Butyl Alcohol	31	Nitric Acid 20%
7	Ethyl Alcohol	32	Nitric Acid 30%
8	Methyl Alcohol	33	Nitric Acid 70%
9	Ammonium Hydroxide (28%)	34	Phenol 90%
10	Benzene	35	Phosphoric Acid 85%
11	Carbon Tetrachloride	36	Silver Nitrate, Saturated
12	Chloroform	37	Sodium hydroxide 10%
13	Chromic Acid -60%	38	Sodium hydroxide 20%
14	Cresol	39	Sodium Hydroxide 40%
15	Dichloroacetic Acid	40	Sodium hydroxide flake
16	Dimethylformaide	41	Sodium Sulfide, Saturated
17	Dioxane	42	Sulfuric Acid,33%
18	Ethyl Ether	43	Sulfuric Acid, 77%
19	Formaldehyde 37%	44	Sulfuric Acid 96%
20	Formic Acid 90%	45	Sulfuric Acid 77%, Nitric Acid 70%
21	Furfural	46	Toluene
22	Gasoline	47	Trichloroethylene
23	Hydrochloric Acid -37%	48	Xylene
24	Hydrofluric Acid -48%	49	Zinc Chloride, Saturated
25	Hydrogen peroxide -30%		

Availability Matrix

PRODUCT	THICKNESS	SIZES IN FEET	FINISHES
Chem+	10 mm & 12 mm	4 x 8 and 4 x 10	Chempearl

available in other thickness upon request

Design Range



27081
White



27089
Grey



27066
Black

The design range shown is for representative purpose only.

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IMPREZA PRO

Exterior Worktops

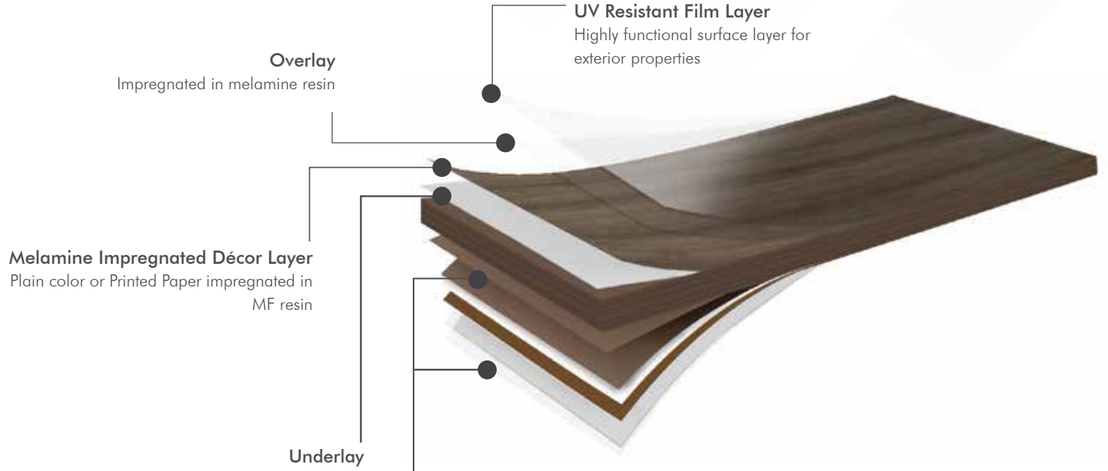
The all new range of super thin design worktop solution that really pushes the boundary. Presenting the Impreza Pro - the contemporary outdoor worktop that is designed to withstand tough weather conditions. Created with the all new Cross Linking Polymer Technology (CLPT), these efficient worktops have impressive Anti Color Fading Property that offer resistance to light fastness and harmful UV rays. The CLPT ensures crack resistance and protection from climatic shocks as well and offers amazing durability to the worktop.

IMPREZA PRO
Exterior Worktops

Key **Features**

- Anti Color Fading Property
- Light Fastness
- UV Resistant
- Crack Resistant
- Weather Resistant
- Climate Resistant
- Moisture Resistant
- Stain Resistant
- Scratch Resistance
- Impact Resistant
- Termite Resistant
- Sanitizable

Composition



UV Resistant Film Layer
Highly functional surface layer for exterior properties

Overlay
Impregnated in melamine resin

Melamine Impregnated Décor Layer
Plain color or Printed Paper impregnated in MF resin

Underlay
Applicable for plain colors barrier paper is impregnated in MF resin

Core
High quality kraft paper impregnated with Phenol Formaldehyde resin is used as the core to achieve the required thickness of the product

Test Values of Merino Exterior Pro as per **EN-438**

Product: Exterior Pro Thickness: 12 mm Finish: Suede Grade: EDS

Property	Test Method as EN:438-2. [unless stated other]	Property or Attribute	Unit of Measurement (max or min)	Standard values	Merino Values
Thickness Tolerance	5	Dimension	8.0 mm < t < 12.0 mm	±0.50 mm	±0.40 mm
Length and Width	6	Dimension	mm	+ 10	+8
				- 0	-0
Density	EN ISO 1183		g/cm^{8}	1.35	1.39
Resistance to Surface wear	10	Wear Resistance -#./	Revolution(min)	150	300
Resistance to Immersion in boiling water	12	Increase in Mass	% (max)	2.0	0.32
		Increase in Thickness	% (max)	2.0	0.36
		Surface Appearance (Finishes except gloss)	Rating (min)	4	4
		Edge Appearance	Rating (min)	3	4
Resistance to Water Vapour	14	Appearance (Finishes except gloss)	Rating (min)	4	4
Resistance to Wet Conditions	15	Increase in Mass	% (max)	5.00	3.10
		Surface Appearance	Rating (min)	4	4
		Edge Appearance	Rating (min)	3	4
Resistance to Dry Heat (160°)	16	Surface Appearance (Finishes except gloss)	Rating(min)	4	5
Dimensional Stability at Elevated temp.	17	Cumulative dimensional change	Machine direction (max %)	0.30	0.20
			Cross direction (max %)	0.60	0.30
Resistance to Impact (Large dia ball)	22	Drop Height	mm (min)	1800	>2000
Resistance to Scratching	25	Force	Rating (min)	2	2
Resistance to Stains	26	Appearance	Group 1 & Group 2	5	5
			Group 3	4	4
Flexural Modulus	EN ISO 178 (EN-438-7)	Stress	MPa (min)	9000	10000
Flexural Strength	EN ISO 178 (EN-438-7)	Stress	MPa(min)	80	> 80
Tensile Strength	EN ISO 527 (EN-438-7)	Stress	MPa(min)	60	>60
Resistance to Fixing	ISO 13894-1 (EN-438-7)	Newtons	Min	2000	>2400

Properties	Test method as per EN 438-6 Clause No	Property or attribute	Unit (max or min)	EDS	Merino Value
Resistance to Climatic Shock	19	Appearance Flexural Strength (Ds) Flexural Modulus (Dm)	Rating (min) min min	4 0.8 0.8	5 0.92 0.84
Resistance to UV-light	28	Contrast Appearance	*Gray scale (min) *Rating (min)	3 4	4.5* 5*
Resistance to Artificial Weathering	29	Contrast Appearance	*Gray scale (min) *Rating (min)	3 4	4** 5**

*** after 325 MJ/m2 radiant exposure (1500 hours)**

**** after 650 MJ/m2 radiant exposure (3000 hours)**

Contrast

Rating Scale for assessing change in colour using the gray scale

Gray Scale N° 5	No change of colour
Gray Scale N° 4.5	Very small change of colour
Gray Scale N° 4	Small change of colour
Gray Scale N° 3.5	Recognizable change of colour
Gray Scale N°	Clearly Recognizable change of colour
Gray Scale N° 2.5	Very Clearly Recognizable change of colour
Gray Scale N°	Strong change of colour
Gray Scale N° 1	Very Strong change of colour

Appearance

Rating Scale for assessment of appearance according to EN 438-2

Rating 5	No Visible Change
Rating 4	Change of Gloss only
Rating 3	Hairline Surface Cracks and/or erosion of surface
Rating 2	Surface Cracks
Rating 1	Blistering and/or delamination

Availability Matrix

PRODUCT	THICKNESS	SIZES IN FEET	FINISHES
Impreza Pro	10 mm & 12 mm	4x8, 4x10, 4.3x8, 4.3x10, 5x8, 5x12	Suede

Other thickness is available upon request

Design Range



10019
Sapelle



10528
Magas Irish Walnut



10544
Canadian Walnut



10597
Weathered Pike Oak



10844
Malay Cane



14140
Canterbury Kaos Oak



14142
Auburn Kaos Oak



14177
Columbian Cadiz Walnut



14620
Peconic Chestnut



15120
Freezee Tiny Woodcuts



15122
Sandy Tiny Woodcuts



15127
Warm Tan Kindred



15128
Café Kindred



21013
Emerald



21027
Irish Cream



21032
Ink



21057
Marigold



21065
Cardinal



21067
Sunflower



21163
Lime



21069
Silver Grey



22169
Pale Grey



22109
Pearl Black



40001
Cloud Terrazzo



40006
Tremble Marble



40214
Sky Marble



40220
Mercury Granite



40232
Soft Travertine



40266
Molten Granite



40267
Golden Campino



40475
Blanco Ibiza



40499
Salt & Pepper



44758
Gelato Parched Stone



44722
Triton



44757
Piazza



44759
Rustic Parched Stone



47740
Grey Granite

"Image shown are for reference. Actual product may vary"

NSF International has certified Merino Industries Limited Hapur for Work Surface in CGS and HGS grade. For further product listing information visit www.nsf.org/certified-products-systems.

Disclaimer : Prices vary with respect to type, finish, thickness, size and color. Please consult with out branches/dealers/factories before quoting. Advance notice of intended discontinued items will be made known to our regular customers. Our company shall not be held liable for any consequences resulted from disruption of supply.
High Pressure Laminates are meant for indoor use unless they are of exterior grade that are strictly on indent basis only. Avoid using on areas exposed to direct sunshine or light reflective areas.
Limited Warranty. Merino Industries Ltd. warrant that, under normal use and services, the material and workmanship of their products shall confirm to the standards set forth on the applicable technical data sheet for a period of twelve (12) months from the data of sale to the first consumer purchaser. Dealers and distributors are provided with the technical data sheets, which contain specific standards of performance for the products. In the event that a Merino Industries Ltd. product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacture's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first consumer purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use or inability to use this product or for any special, indirect, incidental or consequential damages. No fabricator, installer, dealer, agent or employee or Merino Industries Ltd. has the authority to modify the obligation or limitation of the warranty.
This is for sample purpose only. Not for sale.

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For more information visit www.merinolaminates.com

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