

# DO MORE

**innovus**<sup>®</sup>  
Decorative Products



Novodecor Technical Brochure

# Join the Innovus® Evolution

Novodecor (Pty) Ltd present you the South African version of the Innovus® range, an extract from the global collection, which encompasses a myriad of decorative solutions. Our selection of decors were directed by the latest international design trends and simultaneously embraces the requirements of our South African customer needs.

This collection incorporates the most contemporary colours and designs with additional authentic finishes. A range which offers you unlimited solutions and inspiration for your creative and production needs.

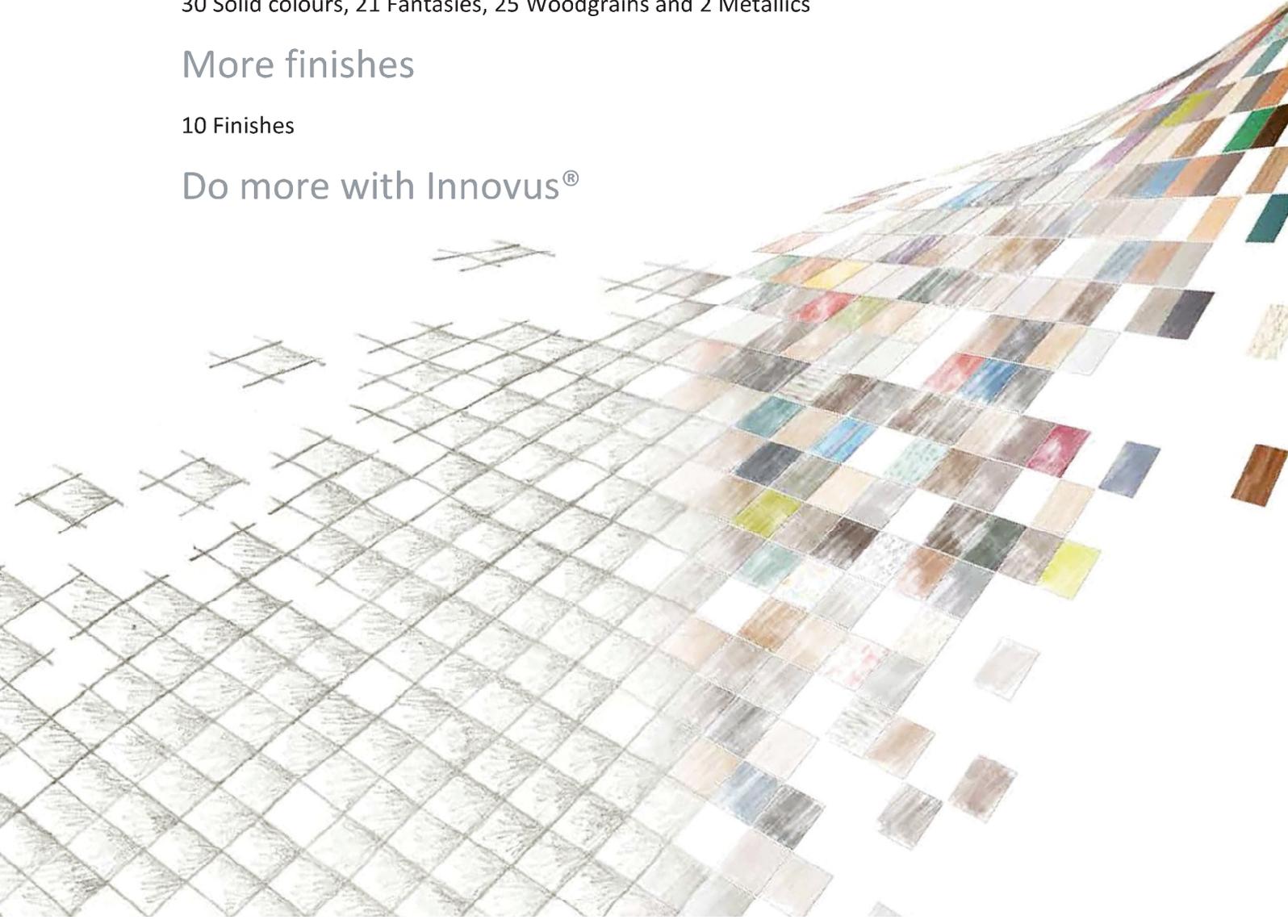
## More decors

30 Solid colours, 21 Fantasies, 25 Woodgrains and 2 Metallics

## More finishes

10 Finishes

Do more with Innovus®





**DO**  
**MORE**





Do more with

# innovus<sup>®</sup>

Decorative Products

Innovus<sup>®</sup> is your creative partner, providing imaginative solutions for your projects. There is now more opportunity to specify and use Innovus<sup>®</sup> products consistently.

Our decorative solutions are available in different formats of laminates - High Pressure Laminates (HPL), Continuous Pressure Laminates (CPL), Compact Laminates, Unicolour Laminates and a Magnetic laminate.

The following pages will provide a brief overview of each of these products and their respective availability in South Africa.

# 10 Finishes Available

## *Feel the difference*

The surface finish on a laminate serves a very important role, providing the product with impact and wear resistance capabilities.

Simultaneously, the various finishes give you the flexibility to choose a texture that meets your design and aesthetic requirements.

LP Matt

TF Textured

LB Gloss

NTL Natural (Wood grain effect)

AM Metallic

MA Ultra Smooth

SMA Super Matt

NST Natural Stone

QUA Quarry

SLA Slate

# Innovus® High Pressure Laminate (HPL)

High pressure decorative laminates combine the high technical performance, an excellent decorative capacity and versatility of patterns and textures, allowing you to respond appropriately to elegant solutions of furniture and design.

Innovus® laminates, are manufactured through fusing multiple layers of impregnated paper under high pressure and temperature to create a homogenous, hard wearing, durable and hygienic surfacing material.





## Innovus<sup>®</sup> Continuous Pressure Laminate (CPL)

Continuous pressure laminates, unlike HPL which is sheeted, is a continuous pressed laminate that is available in a roll format of 100 linear metres, offering improved yield. CPL is suitable for general purpose vertical and horizontal applications and is commonly used in worktops and office desktop surfacing applications.



Reference: Green Acid F2446 12mm  
Forest Hill Shopping Centre, Johannesburg  
Project completed by Cubicle Solutions (Pty) Ltd

## Innovus<sup>®</sup> Compact Laminate

Innovus<sup>®</sup> Compact is a high pressure laminate, built up from a multiple layers of impregnated Kraft paper to produce a homogenous structure in thicknesses ranging from 2mm to 25mm.

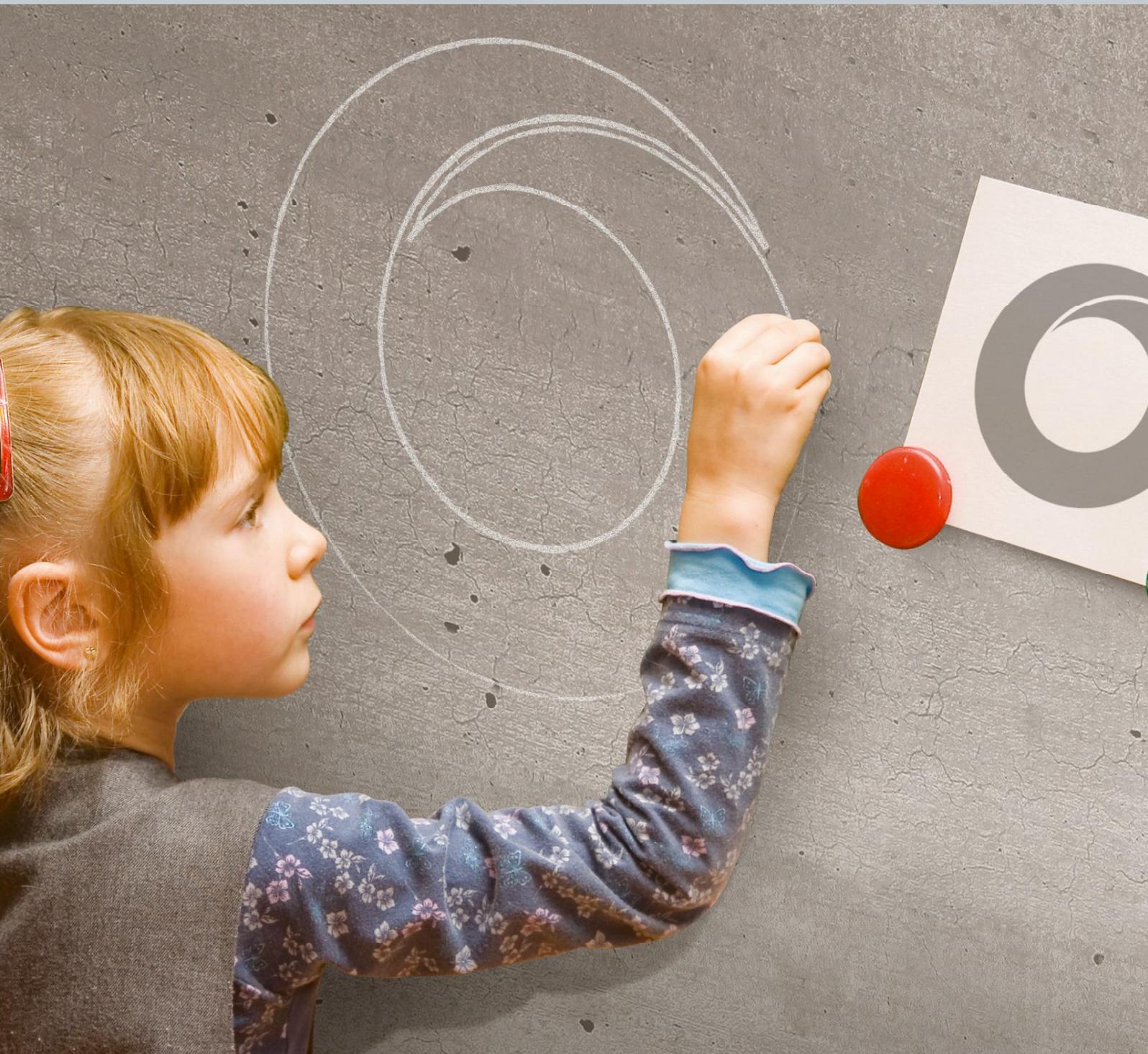
The compact has a decorative face on both sides and is ideal for interior use in washroom cubicles or locker doors, wall panels or laboratory furniture. It is also particularly suited to use in high humidity and high impact areas.

Compact high pressure laminates are impressively strong and damage resistant, with remarkable structural stability, requiring no substrate support in thicknesses greater than 6mm.

# Innovus<sup>®</sup> Magnetic Laminate

Innovus<sup>®</sup> Magnetic laminate – the perfect symbiosis of functionality and design. The product has a high degree of magnetic capability and can be written on with special board markers which can be easily erased.

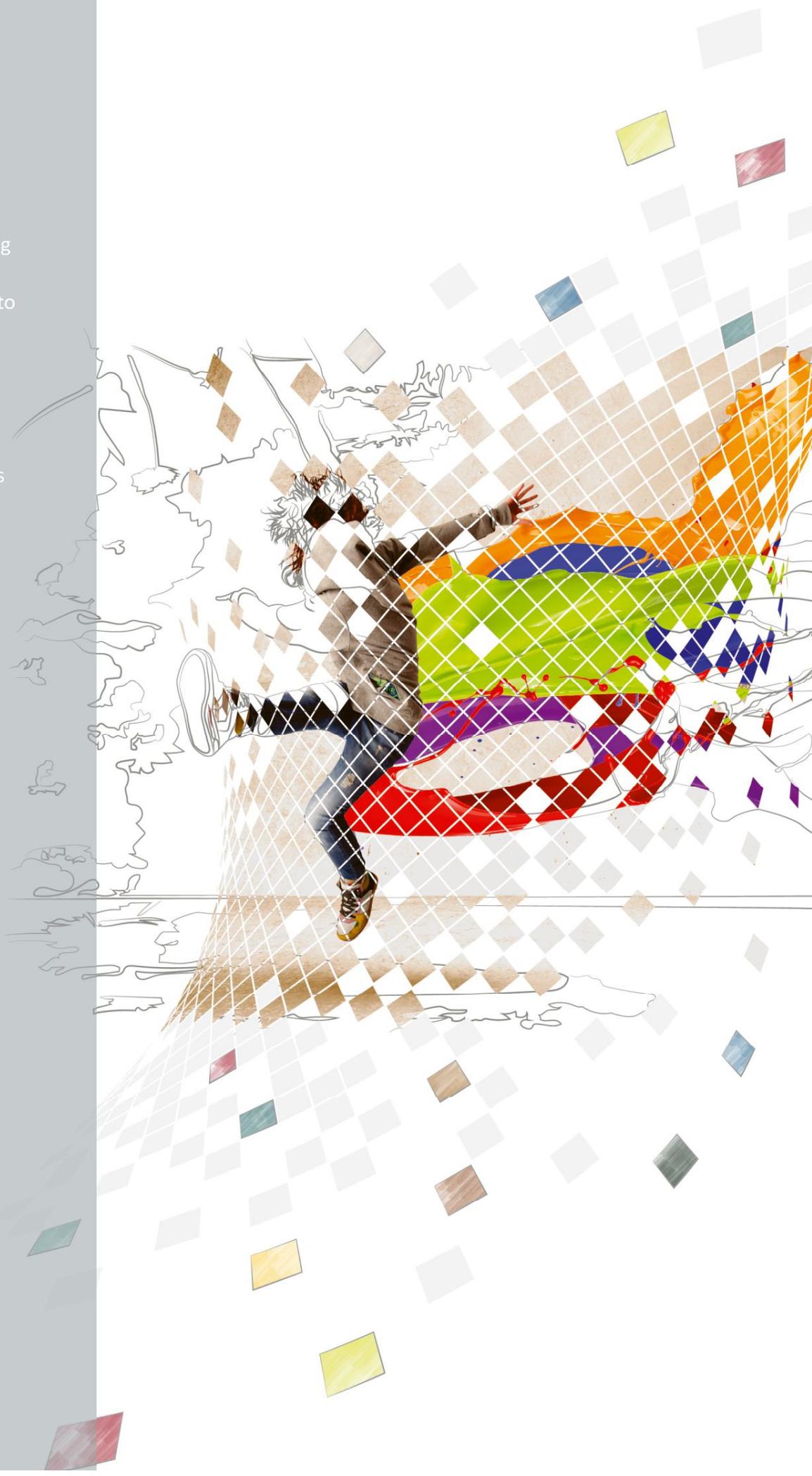
Ideal for a wide variety of applications in environments such as retail, education, commercial and residential - a whole world of diverse applications.



# Innovus® Unicolor

Innovus® Unicolor is a laminate with a matching core and surface colour. This allows the product to be used without edge banding.

The three dimensional appearance enhances its decorative properties, becoming the perfect alternative for public places and design furniture.





## Innovus® Metallic

Innovus® Metallic high pressure laminates are created using thin metal foils over a laminate core to create a stunning metallic look and feel. A laminate that is durable but very light when compared to a sheet of metal.

Perfect for adding flair to light duty horizontal or vertical applications: walls, furniture, retail fixtures, signage, exhibits and displays.

# Innovus<sup>®</sup> Digital Laminate

Innovus<sup>®</sup> Digital laminates are the perfect solution to make your ideas come to life.

Personalization is a key element both in public and personal design, making Innovus<sup>®</sup> Digital the ideal solution for a unique masterpiece.

*Your idea, Our Product.*





**DO**  
**MORE**

**innovus**<sup>®</sup>  
Decorative Products

**SPECIAL NOTES:**

**SURFACE FINISHES:**

- ⊙ This document has been produced using the best printing techniques. However, images may not be a true representation or accuracy of the actual colour. Please ask for actual samples.
- ⊙ B111 décor will be faded out and replaced with B4359.
- ⊙ L4063 décor will be faded out and replaced with L4030.
- ⊙ Decors are readily available in certain finishes - refer to table below.
- ⊙ Pricing and technical specification may change as required.

- LP (R23) = Matt
- TF (LQ / R08) = Textured
- LB = Gloss
- NTL (MX) = Natural
- AM = Metallic
- MA = Ultra Smooth
- SMA = Super Matt
- NST = Natural Stone
- QUA = Quarry
- SLA = Slate

DÉCOR IMAGE	REF CODE	DÉCOR NAME / DESCRIPTION	DÉCOR RANGE	PANTONE REFERENCE	NCS REFERENCE	RAL CLASSIC REFERENCE	RAL DESIGN REFERENCE	PRICE BAND RSA
NO IMAGE	AA	BROWN BACKER	BACKING	-	-	-	-	CPL 0.2mm
NO IMAGE	B110	PURE WHITE	SOLIDS	-	S 0603-R40B	9016	110 90 05	B
NO IMAGE	B111	WHITE	SOLIDS	7541 C	S 0603-G40Y	9016	110 90 05	B
NO IMAGE	B3002	SPECIAL WHITE	SOLIDS	COOL GREY 1	S 0603-G80Y	9010	110 92 05	COMPACT
NO IMAGE	B4359	WHITE	SOLIDS	WARM GREY 1	S 0603-G80Y	9010	110 92 05	A
NO IMAGE	B4062	PEARL WHITE	SOLIDS	COOL GREY 1	S 0502-Y	9010	110 92 05	COMPACT
	L4063	SMOKEY GREY	SOLIDS	334-4 C	S 2500-N	7047	000 75 00	A
	L4030	SMOKE GREY	SOLIDS	420 C	S 2500-N	7035	000 75 00	A
	L06002	GALET GREY	SOLIDS	COOL GREY 8 C	S 4502-B	7042	000 55 00	B
	L167	DARK GREY	SOLIDS	447 C	S 7005-B20G	7022	000 30 00	A
	L5212	CHARCOAL	SOLIDS	BLACK 7 C	S 8500-N	9004	000 25 00	C
	L3031	BLACK	SOLIDS	532 C	S 8500-N	9017	000 15 00	A
	L2201	TAUPE	SOLIDS	405 C	S 6005-Y20R	7006	075 40 10	B
	L5207	CAMOUFLAGE	SOLIDS	416 C	S 6010-G50Y	7003	110 50 10	C
	L6084	DAYLIGHT	SOLIDS	7534 C	S 2005-Y10R	9002	090 80 10	B
	L164	OATMEAL	SOLIDS	7506 C	S 1010-Y20R	1015	080 90 20	B
	L6160	GREY BEIGE	SOLIDS	7530 C	S 4010-Y10R	1019	075 70 10	B
	L5213	CAPPACINO	SOLIDS	7531 C	S 6005-Y50R	7006	060 40 10	C
	L3540	RED RUBY	SOLIDS	201 C	S 3060-R	3003	030 30 45	C
	L101	RED BORDEAUX	SOLIDS	200 C	S 2070-Y90R	3031	-	C
	L4116	RED FLAME	SOLIDS	88 1	S 1080-Y90R	-	-	C
	L122	ORANGE	SOLIDS	164 C	S 1070-Y50R	2003	050 60 70	C
	L4136	CRISP YELLOW	SOLIDS	1235 C	S 0585-Y20R	1033	070 70 80	D
	L2446	GREEN ACID	SOLIDS	584 C	S 1060-G60Y	-	100 80 70	C
	L6062	APPLE GREEN	SOLIDS	368 C	S 1070-G30Y	-	120 60 63	D
	L6183	SIGNAL GREEN	SOLIDS	348 C	S 3060-G	6032	150 50 40	B
	L1237	TROPICAL GREEN	SOLIDS	265-2-C	S4040-G	6029	-	D
	L6162	BANK GREEN	SOLIDS	343 C	-	6036	-	B



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	L1304	BLUE TIBER	SOLIDS	540 C	S 6030-R80B	5003	270 20 25	B
	L1828	PARADISE BLUE	SOLIDS	3015 C	S 3050-R90B	5015	260 40 40	B
	L14805	PKOR BLUE	SOLIDS	-	-	-	200 050 35	C
	F355	CHAMPAGNE	FANTASY	-	-	-	-	B
	F6045	SOLINO	FANTASY	-	-	-	-	C
	F2262	CARRARA	FANTASY	-	-	-	-	B
	F2204	NATURAL CONCRETE	FANTASY	-	-	-	-	B
	F2261	TRAVERTINO	FANTASY	-	-	-	-	C
	F4854	KAMALA GREY	FANTASY	-	-	-	-	C
	F2267	TIVOLLI	FANTASY	-	-	-	-	C
	F2260	MEDUSA MARBLE	FANTASY	-	-	-	-	B
	F2780	BLACK SLATE	FANTASY	-	-	-	-	B
	F2268	ONYX BLACK	FANTASY	-	-	-	-	C
	F2240	CLEOPATRA GRANITE	FANTASY	-	-	-	-	B
	F362	BROWN MARBLE	FANTASY	-	-	-	-	C
	F072	AMBER GRANITE	FANTASY	-	-	-	-	B
	F2698	VERNINI	FANTASY	-	-	-	-	B
	F074	RED GRANITE	FANTASY	-	-	-	-	C
	F2671	ROCKMOSS GRANITE	FANTASY	-	-	-	-	C
	F075	BILBOA	FANTASY	-	-	-	-	C
	F745	METEOR GRANITE	FANTASY	-	-	-	-	B
	F365	GREEN BUTTERFLY	FANTASY	-	-	-	-	B
	F6064	RUST	FANTASY	-	-	-	-	B
	F2266	BROWN SLATE	FANTASY	-	-	-	-	C
	M9276	GLACIER	WOODGRAIN	-	-	-	-	C
	M9275	NORDIC ICE	WOODGRAIN	-	-	-	-	C
	M6212	ELEGANT ELM GREY	WOODGRAIN	-	-	-	-	C
	M6208	DACAPO	WOODGRAIN	-	-	-	-	B



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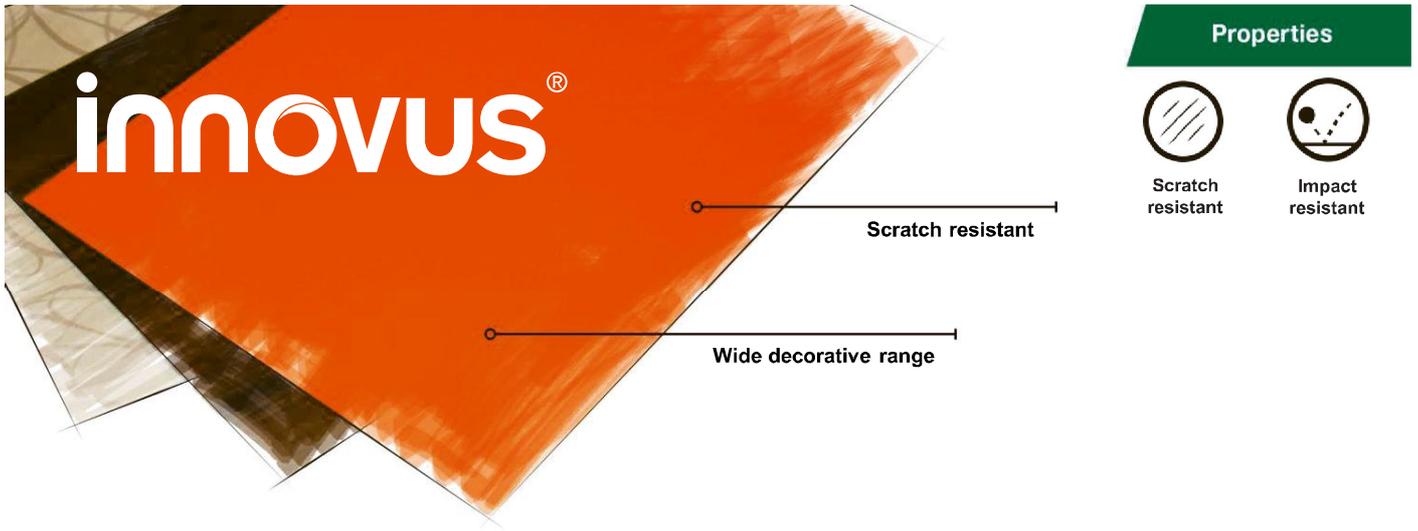
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AM = Metallic

SLA = Slate

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	M6054	PALE TAMARAK	WOODGRAIN	-	-	-	-	B
	M3965	ASH COIMBRA	WOODGRAIN	-	-	-	-	C
	M700	CANADIAN MAPLE	WOODGRAIN	-	-	-	-	B
	M1407	NATURAL OAK	WOODGRAIN	-	-	-	-	B
	M1406	MEMPHIS CHERRY	WOODGRAIN	-	-	-	-	B
	M1416	INDIAN EBONY	WOODGRAIN	-	-	-	-	B
	M3892	WASHED SHALE	WOODGRAIN	-	-	-	-	B
	M6050	NAMIB	WOODGRAIN	-	-	-	-	B
	M6211	DESERT SAND	WOODGRAIN	-	-	-	-	C
	M2917	SAHARA	WOODGRAIN	-	-	-	-	C
	M3667	SILVER CHERRY	WOODGRAIN	-	-	-	-	C
	M6052	AVIOLA CHERRY	WOODGRAIN	-	-	-	-	B
	M3964	CHER	WOODGRAIN	-	-	-	-	B
	M2197	CINDER OAK	WOODGRAIN	-	-	-	-	B
	M1413	CALIFORNIA WALNUT	WOODGRAIN	-	-	-	-	B
	M1412	BURNT OAK	WOODGRAIN	-	-	-	-	B
	M6136	SONOMA	WOODGRAIN	-	-	-	-	C
	M6130	VINTAGE OAK	WOODGRAIN	-	-	-	-	B
	M6218	CADBURY OAK	WOODGRAIN	-	-	-	-	C
	M587	CHERRY ROYALE	WOODGRAIN	-	-	-	-	B
	M1066	ROYALE MAHOGANY	WOODGRAIN	-	-	-	-	B
	L5003	BRUSHED ALUMINIUM	METALLIC	-	-	-	-	METALLIC
	L506	BRUSHED COPPER	METALLIC	-	-	-	-	METALLIC





**Decorative**

# INNOVUS Post-Forming

*Post-forming grade decorative laminates for curved surfaces.*

## Description

The INNOVUS post-forming grade decorative laminates according to EN 438 are an excellent material for indoor curved surfaces. Decorative laminates meet the stringent requirements for hygiene, fire resistance, humidity resistance and mechanical properties.

INNOVUS Decorative laminates are available in a variety of colours, patterns and surface textures, providing extensive options for architects and designers.

*Please check offer & service brochure for information on sizes and thicknesses available.*

## Applications

Post-forming grade INNOVUS Laminates is intended for application to interior curved surfaces where design, appearance, quality, durability, resistance to stain and resistance to heat from ordinary sources are important considerations.

INNOVUS laminates are the best choice for residential, public & commercial areas and healthcare applications.

## Recommendations

The sheets should be placed flat on a suitable horizontal surface. The stack should be held down with a heavy protective cover plate. If decorative laminates are supplied in film packaging, the film packaging should be re-closed and the cover plate replaced immediately after removing any sheets. When handling or moving decorative laminates it is important that the sheets be lifted above adjacent sheets to avoid damage that can occur if the sheets are pulled or slid against each other.

For larger sizes it is recommended that sheets be carried arched along the longitudinal axis to prevent sagging. Individual sheets can also be rolled up for easier handling (roll with the decorative side to the inside, making sure to avoid any side-to-side sliding motions). When moving stacked sheets with transport vehicles, large and sturdy pallets should be used, with the stacked sheets secured to prevent sliding.

**Also available in**



**Certifications**



# INNOVUS Post-Forming

*Post-forming grade decorative laminates for curved surfaces.*

## Dimensional Tolerances

Based on Standard EN 438-3	Based on Test Method	Property or Attribute	Unit (max or min)	HGP <sup>(1)</sup> & VGP <sup>(2)</sup>
Thickness	EN 438-2:5	Thickness	mm (max) 0,5 ≤ t ≤ 1,0	0,10
			1,0 < t ≤ 2,0	0,15
Length and width	EN 438-2:6	Length / Width	mm	+10/-0
Straightness of edges	EN 438-2:7	Straightness of edges	mm/m (max)	1,5
Squareness	EN 438-2:8	Squareness	mm/m (max)	1,5
Flatness	EN 438-2:9	Flatness	mm/m (max)	60

## General Requirements

Based on Standard EN 438-3	Based on Test Method	Property or Attribute	Unit (max or min)	HGP <sup>(1)</sup>	VGP <sup>(2)</sup>
Resistance to surface wear	EN 438-2:10	Wear Resistance	Revolutions (min) Initial Point	150	50
			Wear Value	350	150
Dimensional stability elevated temperature	EN 438-2:17	Cumulative dimensional change	% (max) Longitudinal	0,55	0,75
			Cross-longitudinal	1,05	1,25
Formability	EN 438-2:31/32	Radius	mm (max) Longitudinal	10 times laminate nominal thickness	
			Cross-longitudinal	20 times laminate nominal thickness	
Density	EN ISO 1183:1987	Density	g/cm <sup>3</sup>	1,35	1,35

## Surface Requirements

Based on Standard EN 438-3	Based on Test Method	Property or Attribute	Unit (max or min)	HGP <sup>(1)</sup>	VGP <sup>(2)</sup>
Resistance to immersion in boiling water	EN 438-2:12	Appearance	Rating (min) gloss finish	3	3
			other finishes	4	4
Resistance to water vapour	EN 438-2:14	Appearance	Rating (min) gloss finish	3	3
			other finishes	4	4
Resistance to dry heat (180 °C)	EN 438-2:16	Appearance	Rating (min) gloss finish	3	3
			other finishes	4	4
Resistance to scratching	EN 438-2:25	Force	Rating (min)	3	2
Resistance to staining	EN 438-2:26	Appearance	Rating (min) Groups 1 & 2	5	5
			Groups 3	4	4
Light Fastness (Xenon arc)	EN 438-2:27	Contrast	Grey scale rating (min)	4 to 5	4 to 5
Resistance to cigarette burns	EN 438-2:30	Appearance	Rating (min)	3	3
Resistance to blistering	EN 438-2:33/34	Time to blister	s (min) t ≤ 0,8	10	
			t ≥ 0,8	15	

(1) HGP stands for horizontal grade post-forming laminate for horizontal and curved surfaces.  
(2) VGP stands for vertical grade post-forming laminate for vertical and curved surfaces.



**Properties**

- Scratch resistant
- Impact resistant
- Moisture resistant

**Decorative**

# INNOVUS –CGS

*Decorative laminates with thickness 2 mm and greater with high mechanical strength and high resistance to impact.*

**Description**

INNOVUS Compacts are a robust decorative high pressure laminate. Its double sided decorative panels meet the most demanding specifications for interior applications, being capable to endure high content of moisture and impact.

INNOVUS Compacts are available in a wide range of classic, contemporary and trendsetting colours and finishes.

*Please check offer & service brochure for information on sizes and thicknesses available.*

**Applications**

INNOVUS compacts are intended for applications to interior horizontal or vertical surfaces where design, appearance, quality, durability, resistance to stain, and resistance to heat from ordinary sources are important considerations.

INNOVUS compacts are the best choice for wall cladding, partitions, doors, cubicles, lockers, laboratory bench tops and various self-supporting components in construction and transport industries.

**Recommendations**

The sheets should be placed flat on a suitable horizontal surface. The stack should be held down with a heavy protective cover plate. If decorative laminates are supplied in film packaging, the film packaging should be re-closed and the cover plate replaced immediately after removing any sheets. When handling or moving decorative laminates it is

important that the sheets be lifted above adjacent sheets to avoid damage that can occur if the sheets are pulled or slid against each other. When moving stacked sheets with transport vehicles, large and sturdy pallets should be used, with the stacked sheets secured to prevent sliding.

**Also available in**

- Fire retardant
- Chemical Resistant

**Certifications**

- 
- 
- 



# INNOVUS – CGS

Decorative laminates with thickness 2 mm and greater with high mechanical strength and high resistance to impact.

## Dimensional Tolerances

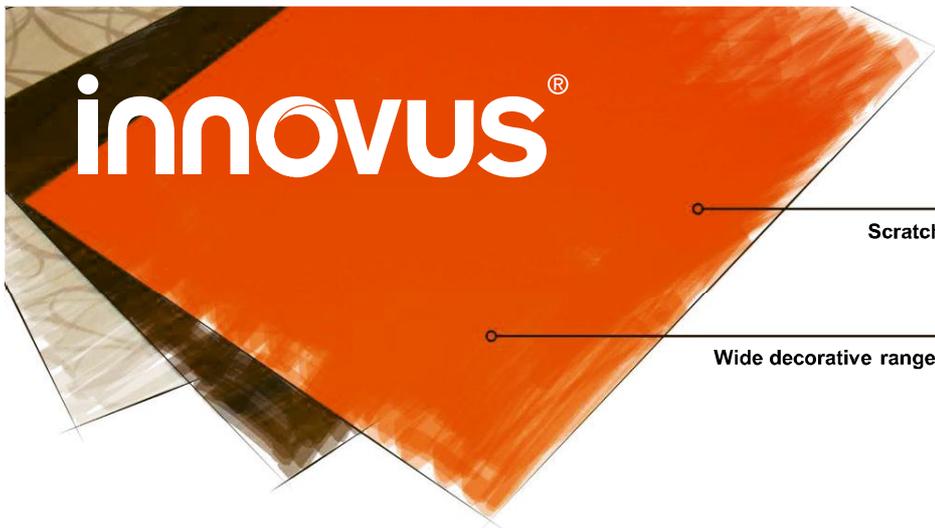
Based on Standard EN 438-6	Based on Test Method	Property or Attribute	Unit (max or min)	CGS
Thickness	EN 438-2:5	Thickness	2,0 ≤ t < 3,0	± 0,20
			3,0 ≤ t < 5,0	± 0,30
			5,0 ≤ t < 8,0	± 0,40
			8,0 ≤ t < 12,0	± 0,50
			12,0 ≤ t < 16,0	± 0,60
			16,0 ≤ t < 20,0	± 0,70
Length and width	EN 438-2:6	Length / Width	20,0 ≤ t < 25,0	± 0,80
			mm	+10 / - 0
Straightness of edges	EN 438-2:7	Straightness of edges	mm/m (max)	1,5
Squareness	EN 438-2:8	Squareness	mm/m (max)	1,5
Flatness	EN 438-2:9	Flatness	2,0 ≤ t < 6,0	8,0
			6,0 ≤ t < 10,0	5,0
			t ≥ 10,0	3,0

## General Requirements

Based on Standard EN 438-6	Based on Test Method	Property or Attribute	Unit (max or min)	CGS
Resistance to wet heat	EN 438-2:15	Mass variation	2,0 ≤ t < 5,0 t ≥ 5,0	7 5
		Appearance	Grau (min)	4
		Dimensional stability at high temperatures	EN 438-2:17	Cumulative dimensional change
2,0 ≤ t < 5,0 Cross-Longitudinal	0,80			
% (max) Longitudinal	t ≥ 5,0			0,30
	Cross-Longitudinal			0,60
Resistance to impact of large ball	EN 438-2:21	Height drop / Indentation diameter	mm (min) 2,0 ≤ t < 6,0 t ≥ 6,0	1400 / 10 1800 / 10
Density	EN ISO 1183:1987	Density	g/cm <sup>3</sup>	1,35

## Surface Requirements

Based on Standard EN 438-6	Based on Test Method	Property or Attribute	Unit (max or min)	CGS
Wear resistance	EN 438-2:10	Wear Resistance	Revolutions (min) Initial point	150
			Wear Value	350
Resistance to immersion in boiling water	EN 438-2:12	Mass variation	2,0 ≤ t < 5,0	5,0
			t ≥ 5,0	2,0
		Thickness variation	2,0 ≤ t < 5,0	6,0
			t ≥ 5,0	2,0
Resistance to water vapor	EN 438-2:14	Appearance	Classification (min) High gloss	3
			Other finishes	4
Resistance to wet heat (100 °C)	EN 12721:1997	Appearance	Classification (min) High gloss	3
			Other finishes	4
Resistance to dry heat (180 °C)	EN 438-2:16	Appearance	Classification (min) High gloss	3
Resistance to crazing	EN 438-2:24	Appearance	Classification (min) Other finishes	4
Resistance to scratching	EN 438-2:25	Force	Classification (min)	3
Resistance to staining	EN 438-2:26	Appearance	Classification (min) Groups 1 & 2	5
			Group 3	4
Lightfastness (Xenon arc)	EN 438-2:27	Contrast	Grey scale rating	4 to 5
Resistance to cigarette burns	EN 438-2:30	Appearance	Classification (min)	3



**Properties**



Scratch resistant



Impact resistant

**Decorative**

# INNOVUS UNICOLOR

*Standard colored core grade decorative laminates for horizontal and straight surfaces.*

**Description**

The INNOVUS colored core standard grade decorative laminates according to EN 438 are an excellent material for indoor surfaces. INNOVUS Unicolor is a range of Laminates where its core has the same color as its surface, allowing

its use with no need for edge banding. INNOVUS Decorative laminates are available in a variety of colours, patterns and surface textures, providing extensive options for architects and designers.

*Please check offer & service brochure for information on sizes and thicknesses available.*

**Applications**

By having the same color both in its core and on its surface, Unicolor INNOVUS Laminates is intended for application to interior horizontal surfaces where design, appearance, quality, durability, resistance to stain and resistance to

heat from ordinary sources are important considerations. INNOVUS laminates are the best choice for residential, public & commercial areas and healthcare applications.

**Recommendations**

The sheets should be placed flat on a suitable horizontal surface. The stack should be held down with a heavy protective cover plate. If decorative laminates are supplied in film packaging, the film packaging should be re-closed and the cover plate replaced immediately after removing any sheets. When handling or moving decorative laminates it is important that the sheets be lifted above adjacent sheets to avoid damage that can occur if the sheets are pulled or slid against each other.

For larger sizes it is recommended that sheets be carried arched along the longitudinal axis to prevent sagging. Individual sheets can also be rolled up for easier handling (roll with the decorative side to the inside, making sure to avoid any side-to-side sliding motions). When moving stacked sheets with transport vehicles, large and sturdy pallets should be used, with the stacked sheets secured to prevent sliding.

**Also available in**



Deep Routing

**Certifications**



## INNOVUS UNICOLOR

Standard colored core grade decorative laminates for horizontal and straight surfaces.

### Dimensional Tolerances

Based on Standard EN 438-9	Based on Test Method	Property or Attribute	Unit (max or min)	Unicolor
Thickness	EN 438-2:5	Thickness	0,5 ≤ t ≤ 1,0	± 0,10
			1,0 < t ≤ 2,0	± 0,18
Length and width	EN 438-2:6	Length / Width	mm	+10 / - 0
Straightness of edges	EN 438-2:7	Straightness of edges	mm (max)	1,5
Squareness	EN 438-2:8	Squareness	mm (max)	1,5
Flatness	EN 438-2:9	Flatness	mm (max)	100

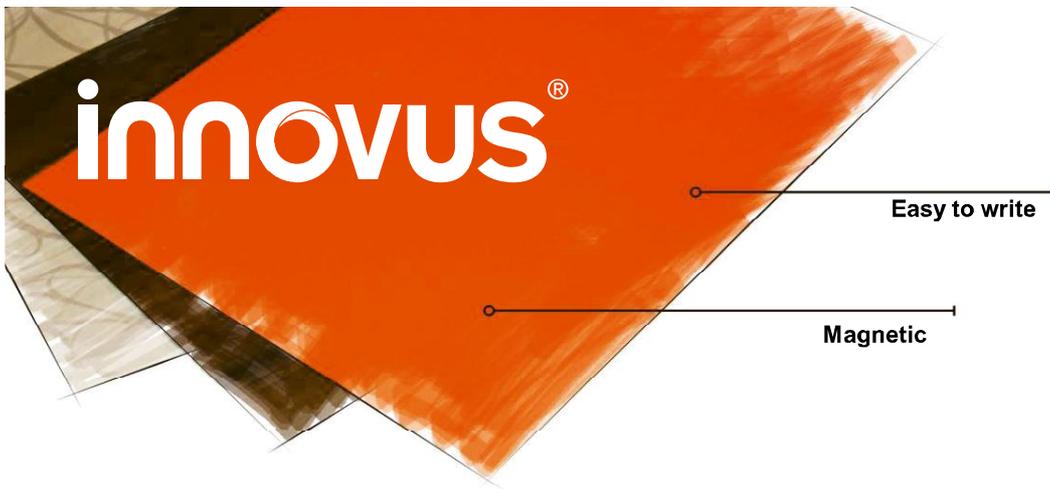
### General Requirements

Based on Standard EN 438-9	Based on Test Method	Property or Attribute	Unit (max or min)	Unicolor
Resistance to surface wear	EN 438-2:10	Wear Resistance	Revolutions (min)	Initial Point 150
				Wear Value 350
Dimensional stability elevated temperature	EN 438-2:17	Cumulative dimensional change	% (max)	Longitudinal 0,80
				Cross-longitudinal 1,40
Density	EN ISO 1183:1987	Density	g/cm <sup>3</sup>	1,40

### Surface Requirements

Based on Standard EN 438-9	Based on Test Method	Property or Attribute	Unit (max or min)	Unicolor
Resistance to immersion in boiling water	EN 438-2:12	Appearance	Rating (min)	gloss finish 3
				other finishes 4
Resistance to water vapour	EN 438-2:14	Appearance	Rating (min)	gloss finish 3
				other finishes 4
Resistance to dry heat (180 °C)	EN 438-2:16	Appearance	Rating (min)	gloss finish 3
				other finishes 4
Resistance to scratching	EN 438-2:25	Appearance	Rating (min)	gloss finish 2
				other finishes 3
Resistance to staining	EN 438-2:26	Appearance	Rating (min)	Groups 1 & 2 5
				Groups 3 4
Light Fastness (Xenon arc)	EN 438-2:27	Contrast	Grey scale rating (min)	Surface 4 <sup>(1)</sup>
				Core 4 <sup>(1)</sup>
Resistance to cigarette burns	EN 438-2:30	Appearance	Rating (min)	3

(1) Extraneous darkening and/or photochromism are due to the shock effect of accelerated exposure and are not characteristics of natural exposure.



Properties	
 Scratch resistant	 Impact resistant
 Easy to write	 Magnetic

## Technical

# INNOVUS MLS

Magnetic grade decorative laminates for horizontal and straight surfaces.

## Description

The INNOVUS magnetic grade decorative laminates according to EN 438 are an excellent material for indoor surfaces. Decorative laminates meet the stringent requirements for hygiene, fire resistance, humidity resistance and mechanical

properties and valued by a magnetic surface. INNOVUS Decorative laminates are available in a variety of colours, patterns and surface textures, providing extensive options for architects and designers.

*Please check offer & service brochure for information on sizes and thicknesses available.*

## Applications

Magnetic grade INNOVUS LAMINATES are intended for application to interior horizontal surfaces where design, appearance, quality and durability are important considerations.

Magnetic grade INNOVUS LAMINATES are an exquisite choice for daily planning and registering meeting notes.

INNOVUS LAMINATES are the best choice for workplaces, schools & commercial areas.

## Recommendations

The sheets should be placed flat on a suitable horizontal surface. The stack should be held down with a heavy protective cover plate. If decorative laminates are supplied in film packaging, the film packaging should be re-closed and the cover plate replaced immediately after removing any sheets. When handling or moving decorative laminates it is important that the sheets be lifted above adjacent sheets to avoid damage that can occur if the sheets are pulled or slid against each other.

For larger sizes it is recommended that sheets be carried arched along the longitudinal axis to prevent sagging. Individual sheets can also be rolled up for easier handling (roll with the decorative side to the inside, making sure to avoid any side-to-side sliding motions). When moving stacked sheets with transport vehicles, large and sturdy pallets should be used, with the stacked sheets secured to prevent sliding.

## Certifications



## INNOVUS MLS

*Magnetic grade decorative laminates for horizontal and straight surfaces.*

### Dimensional Tolerances

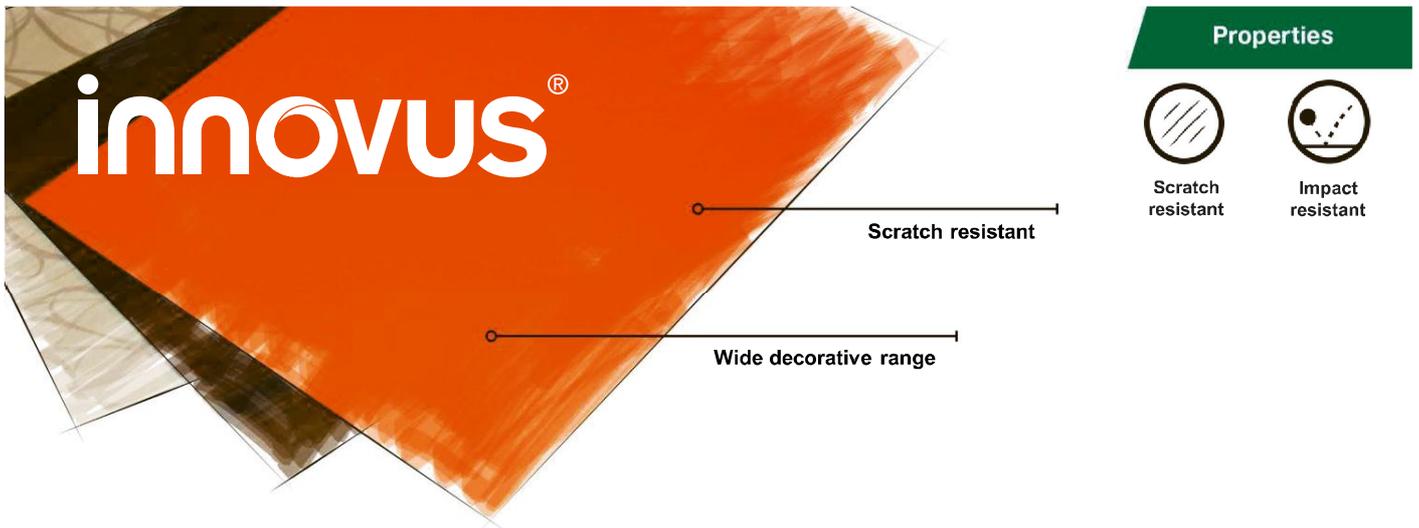
Based on Standard EN 438-8	Based on Test Method	Property or Attribute	Unit (max or min)	MLS
	EN 438-2:5	Thickness	mm (max) t = 1,2	± 0,15
	EN 438-2:6	Length / Width	mm	+10/-0
	EN 438-2:7	Straightness of edges	mm/m (max)	1,5
	EN 438-2:8	Squareness	mm/m (max)	1,5
	EN 438-2:9	Flatness	mm/m (max)	60

### General Requirements

Based on Standard EN 438-8	Based on Test Method	Property or Attribute	Unit (max or min)	MLS
Resistance to surface wear	EN 438-2:10	Wear Resistance	Revolutions (min) Initial Point	150
			Wear Value	350
Dimensional stability elevated temperature	EN 438-2:17	Cumulative dimensional change	% (max) Longitudinal	0,55
			Cross-longitudinal	1,05
Magnetic intensity	Internal test	Magnetic intensity	Rating (min)	7
Density	EN ISO 1183:1987	Density	g/cm <sup>3</sup>	1,35

### Surface Requirements

Based on Standard EN 438-8	Based on Test Method	Property or Attribute	Unit (max or min)	MLS
Resistance to immersion in boiling water	EN 438-2:12	Appearance	Rating (min) gloss finish	3
			other finishes	4
Resistance to water vapour	EN 438-2:14	Appearance	Rating (min) gloss finish	3
			other finishes	4
Resistance to scratching	EN 438-2:25	Force	Rating (min)	2
Resistance to staining	EN 438-2:26	Appearance	Rating (min) Groups 1 & 2	4
			Groups 3	4
Resistance to cigarette burns	EN 438-2:30	Appearance	Rating (min)	3



**Decorative**

# INNOVUS MTS

*Metallic standard grade decorative laminates for vertical and straight surfaces.*

## Description

The INNOVUS metallic laminates standard grade according to EN 438 are an excellent material for indoor surfaces. Metallic laminates meet the stringent requirements for hygiene, fire resistance and mechanical properties.

INNOVUS Decorative laminates are available in a variety of colours and surface textures, providing extensive options for architects and designers.

*Please check offer & service brochure for information on sizes and thicknesses available.*

## Applications

Metallic standard grade INNOVUS LAMINATES are intended for application to interior vertical and rounded surfaces where design, appearance, quality and durability are important considerations.

INNOVUS LAMINATES are the best choice for residential, public & commercial areas and healthcare applications.

## Recommendations

The sheets should be placed flat on a suitable horizontal surface. The stack should be held down with a heavy protective cover plate. If decorative laminates are supplied in film packaging, the film packaging should be re-closed and the cover plate replaced immediately after removing any sheets. When handling or moving decorative laminates it is important that the sheets be lifted above adjacent sheets to avoid damage that can occur if the sheets are pulled or slid against each other.

For larger sizes it is recommended that sheets be carried arched along the longitudinal axis to prevent sagging. Individual sheets can also be rolled up for easier handling (roll with the decorative side to the inside, making sure to avoid any side-to-side sliding motions). When moving stacked sheets with transport vehicles, large and sturdy pallets should be used, with the stacked sheets secured to prevent sliding.

**Also available in**



Postformable

**Certifications**



## INNOVUS MTS

*Metallic standard grade decorative laminates for vertical and straight surfaces.*

### Dimensional Tolerances

Based on Standard EN 438-8	Based on Test Method	Property or Attribute	Unit (max or min)	MTS
Thickness	EN 438-2:5	Thickness	0,5 ≤ t ≤ 1,0 mm (max)	± 0,15
			1,0 < t ≤ 2,0	± 0,18
Length and width	EN 438-2:6	Length / Width	mm	+10 / - 0
Straightness of edges	EN 438-2:7	Straightness of edges	mm/m (max)	1,5
Squareness	EN 438-2:8	Squareness	mm/m (max)	1,5
Flatness	EN 438-2:9	Flatness	mm/m (max)	100

### General Requirements

Based on Standard EN 438-8	Based on Test Method	Property or Attribute	Unit (max or min)	MTS
Resistance to surface wear	EN 438-2:10	Wear Resistance	Revolutions (min)	Initial Point 150
				Wear Value 350
Dimensional stability elevated temperature	EN 438-2:17	Cumulative dimensional change	% (max)	Longitudinal 0,75
				Cross-Longitudinal 1,25
Density	EN ISO 1183:1987	Density	g/cm <sup>3</sup>	1,35

### Surface Requirements

Based on Standard EN 438-8	Based on Test Method	Property or Attribute	Unit (max or min)	MTS
Resistance to immersion in boiling water	EN 438-2:12	Appearance	Rating (min)	gloss finish 3
				other finishes 4
Resistance to water vapour	EN 438-2:14	Appearance	Rating (min)	gloss finish 3
				other finishes 4
Resistance to scratching	EN 438-2:25	Force	Rating (min)	1
Resistance to staining	EN 438-2:26	Appearance	Rating (min)	Groups 1 & 2 4
				Groups 3 4
Light Fastness (Xenon arc)	EN 438-2:27	Contrast	Grey scale rating (min)	4 to 5
Resistance to cigarette burns	EN 438-2:30	Appearance	Rating (min)	3





DO  
MORE

innovus<sup>®</sup>  
Decorative Products

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