

Trespa Athlon.

Design à la carte.

interior



All the best qualities in one panel

> Each face is unique <

You want to create an atmosphere for your interior. Trespa Athlon provides a large range of colours to give you that specific look. Whatever the environment requires, Trespa Athlon gives you the solution. Beside this wide variety of looks, Trespa Athlon also has high level characteristics that meet your functional requirements. In each interior environment you can achieve a unique look with Trespa Athlon.

Trespa Athlon.

What is Trespa Athlon?

Trespa Athlon is a flat panel based on thermosetting resins, homogenously reinforced with cellulose fibres and manufactured under high pressure and temperature. Using special techniques, the panels have an integrated, decorative surface with melamine-impregnated paper.

The resultant properties make the product particularly suitable for a wide range of interior applications.

Various environmental considerations played an important role in the development of Trespa Athlon. They range from optimal use of raw materials to an extremely long product lifespan.

What makes Trespa Athlon so unique?

Trespa Athlon has an unrivalled performance. It is extremely scratch and wear resistant and not adversely affected by moisture. Furnished with a high chemical resistance, this panel material can withstand cleaning even with aggressive disinfectants. These cleaning agents impair neither the properties nor the appearance of the panel.

What's more, a favourable combination of flexural strength and elasticity make Trespa Athlon highly impact resistant.

Because the panel surface has a closed structure, dirt doesn't cling, making Trespa Athlon very easy to clean.

The fire behaviour of the panel material is excellent. It doesn't melt, drip or explode and retains its stability for a long time.

Trespa Athlon is easy to maintain. Neither the surfaces nor the sawn edges need to be protected.

Standard tungsten carbide tipped tools for hardwood can be used for any kind of processing such as sawing, drilling and routing.





Multi-talented.

Where is Trespa Athlon used?

Trespa Athlon was specially designed for interior applications such as:

- *Wall cladding*, partitions and cubicles in wet and damp areas. Trespa Athlon's resistance to moisture makes it ideal for use in shower and toilet areas.
- *Wall cladding in rooms*. Trespa Athlon is unaffected by aggressive cleaning agents and disinfectants. This is vital in areas such as: operating theatres, laboratories and pharmaceutical and food production environments.
- *Changing rooms*. Trespa Athlon is particularly ideal because of its easy-to-clean surface along with its exceptional scratch and impact resistance.
- *Laboratory furniture*. The easy-to-clean crystal matt surface structure combined with the good chemical resistance of this panel make Trespa Athlon ideal for use in a variety of laboratories and pharmaceutical, cosmetic, electronic and food production environments.
- *Furniture*. Trespa Athlon is highly self-

supporting due to its flexural rigidity. This property in combination with high scratch and wear resistance plus a wide range of colours makes the material ideal for all kinds of furniture and fittings. That's why Trespa Athlon is a clear favourite for applications such as office and educational furniture, reception desks, cabinets, tables, vanity units and the like.



Trespa Athlon is also frequently used for:

- *hand and crash rails in hospital and pharmaceutical corridors*
- *kitchen, food preparation and serving areas*
- *advertising displays and signs*
- *shop fittings*





A wide colour spectrum.

Trespa Athlon is available in an extended range of plain colours and patterns. The plain colours diversify from warm **(NATURE)** to industrial tones **(CONSTRUCTION)**, and from bright **(FLASH)** to more soft **(FRESCO)** and cool **(POLAR)** colours. Beside this range of plain colours there is also a wide variety of patterns available, from wood and speckled decors to characteristic fantasy prints.

Developed in close co-operation with leading colour consultants, this collection is in tune with current aesthetic standards and developments in interior design.

As a unique feature, Trespa Athlon is available with a quality decorative surface on both sides.

The surface structures of Trespa Athlon

Trespa Athlon is available in two different surface structures: quartz and crystal matt. Quartz is a surface structure with a fluid, irregular texture. Crystal matt is a very fine structure with a matt sheen. Both types of surface are completely closed and non-porous. Because of its surface structure, Quartz is ideal for vertical applications such as wall cladding. The crystal matt surface structure is extremely smooth and wear resistant, making it ideal for horizontal uses such as desk tops. What's more, this surface type is easy to clean, making it suitable for laboratory worktops.



Trespa Athlon is safe

Trespa Athlon's range offers a choice of standard grade with a black core and fire retardant (FR) grade with a black core.

Trespa Athlon complies with the building and safety requirements valid in most European countries.

Optimal panel sizes reduce cutting waste

The three standard sizes of Trespa Athlon are well adapted to practical requirements so that cutting waste is kept to a minimum. Combined with the six standard thicknesses, they offer economical optimisation for any project requirement.

Standard sheet sizes:

3050 x 1530 mm

2550 x 1860 mm

3730 x 1860 mm

Standard thicknesses:

6, 8, 10, 13, 16 and 20 mm

Trespa also offers Athlon corner profiles for the perfect linking-up to Trespa Athlon flat panels (with the same colour and surface structure). They are available with double-sided colour and Quartz structure. Furthermore, unlimited single-sided corner solutions in various sizes and radii can be made with the process Postforming.

Standard corner profile sizes:

1860 x 300 x 300, radius 20 mm

3050 x 300 x 300, radius 20 mm

Standard corner profile thicknesses:

8, 10 and 13 mm



Excellent properties.

Ideal for intensive use

As an extremely versatile material, with excellent properties, Trespa Athlon is ideal for use in all public and leisure buildings and for furniture subject to intensive use.

Resistant to wear

Trespa Athlon is highly resistant to wear, making it ideal for installation where heavy use and frequent cleaning are expected.

Scratch resistant

The special surface structure and durability of Trespa Athlon provide an excellent scratch resistance. Even in heavy-duty use, the panel retains its appearance for a very long time.

Simple to clean

The closed, non-porous surface of Trespa Athlon does not attract dirt. This means that the panel can easily be cleaned either with normal cleaning agents or even with strong disinfectants, because the material is chemically resistant. It's also easy to clean graffiti, for which an organic solvent should be used - there's no danger of affecting the colour.

Good chemical resistance

Trespa Athlon has a high resistance to organic solvents such as acetone, toluene, xylene and similar substances. The panel is also resistant to disinfectants and cleaning chemicals as well as food juices and dyes, which affect neither the properties nor the appearance. However, where concentrated, strong acids are frequently used we recommend the extremely chemical resistant Trespa Toplab^{PLUS}.

Resistant to moisture

Trespa Athlon is not adversely affected by moisture and is not susceptible to weathering, mould or rot. Both the surface and the core are manufactured using specific, thermosetting resins, which make them impervious to moisture.

The dimensional stability and workability of Trespa Athlon are comparable to those of hardwood.

Impact resistant

The combination of a solid, homogenous core with a hard surface based on melamine resins gives the panel exceptional impact resistance.

This is confirmed by the result of the dynamic ball-indentation test and of course by its day-to-day practical use e.g. as wall cladding in public rooms and rooms susceptible to vandalism, or as bumper rails in hospital corridors.

Heat resistant

The surface of Trespa Athlon is highly resistant when in contact with burning cigarettes.

Trespa Athlon is conform the European Standard EN 438 and fulfils the requirements for HPL products as defined in this norm.



Safe fire behaviour

The material does not catch fire and flake off. The fire behaviour of both types of Trespa Athlon is comparable to that of hardwood. The panel material does not melt, drip or explode and retains its stability for a long period of time.

Various European testing bodies have classified Trespa FR grade in the highest class of fire behaviour for organic material. In France Trespa FR grade has been tested in accordance with the standards NFX 70 100 and NFX 10 702 for emissions of toxic and corrosive gases. The result of these tests is an allocation to class F1, the most favourable class for organic building materials.

Anti-static

Trespa Athlon is designated as an anti-static material - in accordance with DIN 51 953 and DIN 53 482. This makes the panel particularly suitable for applications in clean rooms, as computer furniture or in the optical industry.

Radiation

Trespa Athlon can be penetrated by X-rays, so it is often used in the medical treatment sector.

Trespa and the environment

Early on we recognized the importance of an independent life-cycle analysis. Today Trespa can clearly prove the ecological impact of its products - from the raw materials and the production process to the application and recycling.

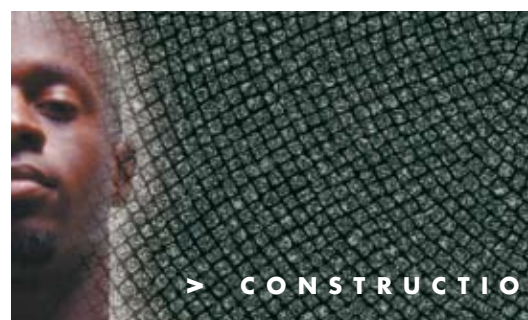
For thermo-recycling it can be burned in industrial furnaces (at a temperature of > 720° C). No hazardous, corrosive gases are released. This is also a good method of recovering energy.

Trespa supplies solutions.

Trespa services

Further information on preparing, processing and assembling Trespa panels is available on request. Colour cards, samples and completed project references are also available.

Our consultants will be pleased to offer advice on technical questions, fixing techniques, panel thicknesses, sizes and colours, addresses of distributors and fixing contractors.



Photography:
Philippe Munda for View on Colour magazine

Trespa Athlon colour- and decorprogramme

	W 71-03 Silver Maple	W 80-01 Lime	W 74-02 Solid Oak	W 88-02 Eur. Wild Apple	W 73-01 Beech	W 85-02 Pear	W 78-01 Wild Cherry	W 74-01 Oak	W 82-03 Verona Walnut	W 76-01 Highland Pine
	TT-1 Tatami Flax	E 3-11 Light Ivory	E 1-01 Ivory	CL-1 Calico	E 2-10 Paper White	E 2-11 Stone Beige	E 2-12 Mid Beige	E 3-01 Sand	S 3-01 Sand	
	E 25-013 Ash Grey	E 25-02 Opal Grey	E 25-03 Zinc Grey	E 0-09 Black	C 0-09 Black	PI-1 Grit Grey	MC-1 Micro Grey	MC-2 Micro Black	PI-2 Grit Blue Grey	E 25-04 Steel Blue
	E 16-16 Marine Blue	E 18-45 Prussian Blue	PA-1 Patina Green	E 6-53 Orange Lead	PA-2 Patina Rusty Red	PI-3 Grit Wine Red	PI-4 Grit Purple Red	TT-2 Tatami Grey	E 0-04 Mid Grey	S 0-04 Mid Grey
	E 0-02 Silver Grey	S 0-02 Silver Grey	E 0-015 Pastel Grey	S 0-015 Pastel Grey						
	E 7-62 Poppy Red	E 15-54 Ultra Marine	E 17-52 Aqua Blue	E 23-53 Grass Green	CB-1 Cyber Green	CB-2 Cyber Orange	CB-3 Cyber Blue	E 17-33 Brilliant Blue	E 22-53 Emerald Green	E 3-42 Gold Yellow
	E 7-52 Carmine Red									
	PA-3 Patina Orange Red	E 5-11 Soft Pink	PA-4 Patina Golden	E 2-31 Melon Yellow	S 2-31 Melon Yellow	E 1-215 Pampus Yellow	E 23-21 Pastel Green	E 17-30 Heaven Blue	S 17-30 Heaven Blue	E 17-32 Powder Blue
	S 17-32 Powder Blue	E 20-12 Aquamarin	S 20-12 Aquamarin							
	PA-5 Patina Turquoise	PA-6 Patina Light Blue	E 19-11 Light Blue	S 19-11 Light Blue	E 0-00 White	S 0-00 White	MC-3 Micro White	E 2-01 Pearl White	E 13-00 Cristal Pink	E 25-01 Icy Blue

These colours are printed to provide as accurate a representation of the colour collection as possible. However they may vary slightly from the original Trespa panel colours. Colour fans and product samples are available on request.

Material properties Trespa Athlon

Properties	Value	Unit	Standard
Physical properties			
Specific gravity	≥ 1.350	kg/m ³	ISO 1183
Resistance to immersion in boiling water after 2 hours	≤ 1	Mass increase (%)	EN 438
	≤ 1	Thickness increase (%)	
	5	Appearance (rating)	
Dimensional stability	$\leq 2,5$	mm/m	EN 438
Weight	Thickness 6 mm	8,5	kg/m ²
	Thickness 13 mm	18,5	kg/m ²
	Thickness 16 mm	22,5	kg/m ²
	Thickness 20 mm	28,0	kg/m ²
Panel tolerance			
Length & Width	-0,0/+5	mm	
Thickness	$\pm 0,4$ for 6	mm	
	$\pm 0,5$ for 8,10	mm	
	$\pm 0,6$ for 13	mm	
	$\pm 0,7$ for 16	mm	
	$\pm 0,8$ for 20,25	mm	
Optical properties			
Changes when subjected to dry heat (maximum temperature of 180°C)			EN 438
gloss	5 (= no changes)		
colour	5 (= no changes)		
cracking	5 (= no changes)		
Mechanical properties			
Modulus of elasticity	≥ 9.000	N/mm ²	ISO 178
Tensile strength	≥ 70	N/mm ²	ISO 527-2
Flexural strength	≥ 100	N/mm ²	ISO 178
Resistance to impact by large diameter balls			EN 438
- Drop height	1800	mm	
- Diameter of indentation	≤ 6	mm	
Scratch resistance	≥ 3	Rating	EN 438
Wear resistance			
Initial point	≥ 150	Revolutions	EN 438
Wear value	≥ 350		
Chemical properties			
See datasheet chemical properties			
Fire behaviour			
Great Britain	Type FR: class 0		BS 476 Part 6
Fire classification	Type FR: class 1		BS 476 Part 7
	Type Standard: class 2		BS 476 Part 7
Germany	Typ FR: Klasse B1		DIN 4102-1
Baustoffklasse	Typ Standard: Klasse B2		DIN 4102-1
France 6-8-10-13-16-20 mm	Type FR: Classement M1		NF P 92-501
6-8-10-13-16-20 mm	Type Standard: Classement M2		NF P 92-501
Belgium	Type FR: Klasse A1		NBN S21-203
Spain	Type FR : Clasificacion M1		UNE 23.727-90
Europe	Type FR: Euroclass B-s2,d0		EN 13501-1
	Type Standard: Euroclass D-s2,d0		EN 13501-1

TRESPA ATHLON DELIVERY PROGRAMME FROM 1ST OCTOBER 2007

Panel size		IF (3050 x 1530 mm)		SF (2550 x 1860 mm)		XF (3730 x 1860 mm)	
Surface texture		Q/Q*	CM/CM**	Q/Q	CM/CM	Q/Q	CM/--
Panel thicknesses (mm)		6,8,10,13	6,8,10,13,16,20	6,8,10,13	6,8,10,13,16,20	6,8,10,13	6,8,10,13,16,20
Qualities		standard & FR		standard & FR		standard & FR	
Uni	Fantasy						
E0-00		■	■	■	■	■	■
E0-015		■	■	■	■	■	■
E0-02		■	■	■	■	■	■
E0-09		■	■	■	■	■	■
E1-01		■	■	■	■	■	■
E17-30		■	■	■	■	■	■
E17-32		■	■	■	■	■	■
E17-33		■	■	■	■	■	■
E17-52		■	■	■	■	■	■
E19-11		■	■	■	■	■	■
E20-12		■	■	■	■	■	■
E2-10		■	■	■	■	■	■
E2-11		■	■	■	■	■	■
E2-12		■	■	■	■	■	■
E2-31		■	■	■	■	■	■
E23-21		■	■	■	■	■	■
E25-01		■	■	■	■	■	■
E25-04		■	■	■	■	■	■
E3-01		■	■	■	■	■	■
E3-42		■	■	■	■	■	■
E7-52		■	■	■	■	■	■
E7-62		■	■	■	■	■	■
	S0-00	■	■	■	■	■	■
	S0-015	■	■	■	■	■	■
	S0-02	■	■	■	■	■	■
	S17-30	■	■	■	■	■	■
	S17-32	■	■	■	■	■	■
	S19-11	■	■	■	■	■	■
	S2-31	■	■	■	■	■	■
	S20-12	■	■	■	■	■	■
	S3-01	■	■	■	■	■	■
	PA-2	■	■	■	■	■	■
	C0-09	■	■	■	■	■	■
E0-04		■	■	■	■	■	■
E1-215		■	■	■	■	■	■
E13-00		■	■	■	■	■	■
E15-54		■	■	■	■	■	■
E18-45		■	■	■	■	■	■
E2-01		■	■	■	■	■	■
E22-53		■	■	■	■	■	■
E23-53		■	■	■	■	■	■
E25-013		■	■	■	■	■	■
E25-02		■	■	■	■	■	■
E25-03		■	■	■	■	■	■
E3-11		■	■	■	■	■	■
E5-11		■	■	■	■	■	■
	CB-2	■	■	■	■	■	■
	CB-3	■	■	■	■	■	■
	MC-1	■	■	■	■	■	■
	MC-2	■	■	■	■	■	■
	S0-04	■	■	■	■	■	■
	W71-03	■	■	■	■	■	■
	W73-01	■	■	■	■	■	■
	W74-01	■	■	■	■	■	■
	W74-02	■	■	■	■	■	■
	W76-01	■	■	■	■	■	■
	W78-01	■	■	■	■	■	■
	W80-01	■	■	■	■	■	■
	W82-03	■	■	■	■	■	■
	W85-02	■	■	■	■	■	■
	W88-02	■	■	■	■	■	■
E6-53		■	■	■	■	■	■
E16-16		■	■	■	■	■	■
	CB-1	■	■	■	■	■	■
	CL-1	■	■	■	■	■	■
	MC-3	■	■	■	■	■	■
	PA-1	■	■	■	■	■	■
	PA-3	■	■	■	■	■	■
	PA-4	■	■	■	■	■	■
	PA-5	■	■	■	■	■	■
	PA-6	■	■	■	■	■	■
	PI-1	■	■	■	■	■	■
	PI-2	■	■	■	■	■	■
	PI-3	■	■	■	■	■	■
	PI-4	■	■	■	■	■	■
	TT-1	■	■	■	■	■	■
	TT-2	■	■	■	■	■	■

■ Standard delivery - minimum quantity 2 panels (standard) / 1 pallet (FR)).

■ On request (minimum quantity 40 panels).

* Q = Quartz is a surface structure with a fluid irregular texture, recommended for vertical applications.

** CM = Crystal Matt is a very fine surface structure with a matt sheen, recommended for horizontal applications.

TRESPA®

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WWW.TRESPA.COM

Quality.

Trespa International BV

Trespa International BV specializes in high quality panel material for façade cladding and interior use. Trespa has both the expertise and the means to develop products for specific segments of the market. Trespa is continually looking for ways to protect the environment even more effectively.

Four perfect product lines

Production of the façade cladding material Trespa Meteon is based on unique, patented techniques, which guarantee excellent weather resistance and colourfastness. Trespa Athlon, which offers you outstanding moisture resistance along with scratch and wear resistance, is particularly suitable for interior use. Trespa Virtuon is aesthetically pleasing and the perfect product for interior applications where durability, hygiene, cleanability are required. And Trespa TopLab^{plus}, highly resistant to chemicals and designed for use as laboratory worktops, completes the product programme.

Trespa guarantees quality of both products and services. We offer our customers optimal technical support as well as straightforward documentation. Proof of this approach is the award of the ISO 9001 and ISO 14001 certificates.

Whatever your requirements, Trespa offers a full support service. Please contact us for further information.

Conditions of Sale

To all our offers, quotations, sales, deliveries and supplies and/or agreements, and to all related services and activities the Trespa International B.V. General Conditions of Sale apply, filed at the Venlo Chamber of Commerce on 1 January 2004, registered under number 24270677, and appearing on the website at www.trespa.com. The text of these General Terms and Conditions will be sent to you upon request.

Registered trademarks

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Responsibility

All information is based on our current state of knowledge. It is intended as information concerning our products and their application possibilities, and is therefore not intended as any form of guarantee with regard to any specific product characteristic.

Colours

The colours in this document are printed, and therefore, may vary slightly from the original Trespa panel colours with respect to gloss, colour shades and surface texture. Original samples are available on request.

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www.trespa.com



All the best qualities in one panel



U212

Your Trespa distributor: