

MATERIAL PROPERTIES TRESPA ATHLON

Properties	Value	Unit	Standard
Physical properties			
Dimensional Stability	≤ 2,5	mm/m	EN 438
Density	≥ 1350	kg/m³	ISO 1183
Weight			
Thickness 6 mm	± 8,5	kg/m²	
Thickness 8 mm	± 11	kg/m²	
Thickness 10 mm	± 14,0	kg/m²	
Thickness 13 mm	± 18,5	kg/m²	
Thickness 16 mm	± 22,5	kg/m²	
Thickness 20 mm	± 28,0	kg/m²	
Panel Tolerance			
Length & Width	- 0,0 / + 5	mm	EN 438
Thickness	± 0,4 for 6 ± 0,5 for 8 and 10 ± 0,6 for 13 ± 0,7 for 16 ± 0,8 for 20	mm	EN 438
Optical properties			
Resistance to dry heat at 180°C	≥ 4	Rating	EN 438
Resistance to wet heat at 100°C	≥ 4	Rating	EN 12721
Resistance to crazing	≥ 4	Rating	EN 438
Resistance to colour change (UV-A)	≥ 6	Wool scale	ASTM G53-91 (315 - 400nm)
Mechanical properties			
Modulus of elasticity	≥ 9000	N/mm²	ISO 178
Tensile strength	≥ 70	N/mm²	ISO 527-2
Flexural strength	≥ 100	N/mm²	ISO 178
Resistance to impact by large diameter ball			
Drop height	1800	mm	EN 438
Diameter of indentation	≤ 10	mm	
Resistance to scratching	≥ 3	Rating	EN 438
Wear resistance for standard quality			
Initial point	≥ 150	Revolutions	EN 438
Wear value	≥ 350	Revolutions	
Chemical properties			
Resistance to staining	5	Rating	EN 438
Region			
Behavior in case of fire			
European Union	Type FR Type Standard	Euroclass B-s2d0 Euroclass D-s2d0	EN 438-7 EN 438-4

Please note: Due to the CE-marking HPL panels have to be tested in accordance with EN 13501-1. National authorities decide on (the moment of) introduction of this standard in its building codes.

Disclaimer: All data is related to the products mentioned in the standard Trespa Athlon delivery program

Please check www.trespa.com for the latest version of the material properties and delivery programme.

DELIVERY PROGRAMME TRESPA ATHLON

Panel size	1F (3050 x 1530 mm)		5F (2550 x 1860 mm)		XF (3730 x 1860 mm)	
Surface texture	QZ/QZ*	CR/CR**	QZ/QZ	CR/CR	QZ/QZ	CR/---
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	Non-Uni					
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 CO-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 TI-1 TI-2					

- Standard delivery - minimum quantity 1 panel (standard) / 1 pallet (FR).
- On request (minimum quantity 40 panels).
- * QZ = Quartz is a surface structure with a fluid irregular texture, recommended for vertical applications.
- ** CR = Crystal Matt is a very fine surface structure with a matt sheen, recommended for horizontal applications.

Disclaimer: All Trespa samples and all Trespa panels are produced within the specified tolerances. Samples and production panels do not originate from the same production batch. The colour perception is by nature influenced by slight variations in pigments used as well as by the angle of observation.

Trespa International B.V.
Trespa International B.V. specialises 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.

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.

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Trespa UK Ltd

Grosvenor House
Hollinswood Road
Central Park, Telford
Shropshire, TF2 9TW
Tel: 44 (0) 1952 290707
Fax: 44 (0) 1952 290101
info@trespa.co.uk

Trespa International B.V.

P.O. Box 110, 6000 AC Weert
Wetering 20, 6002 SM Weert
The Netherlands
www.trespa.com

EMEA Export

Tel: 31 (0) 495 458 359 / 285
Fax: 31 (0) 495 458 383
infoexport@trespa.com

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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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Trespa North America Ltd.

12267 Crosthwaite Circle
Poway, CA 92064
Tel: 1-800-4-TRESPA
Fax: 1-858-679-9568
info@trespanorthamerica.com

Trespa New York Design Centre

62 Greene Street (Ground Floor)
New York, NY 10012
Tel: 1-212-334-6888
Fax: 1-866-298-3499
info.ny@trespa.com

Asia/Pacific Sales Support

Tel: 86 (0) 21 6288 1299
Fax: 86 (0) 21 6288 1296
infoapac@trespa.com

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Projects on cover:
Arch. Heur & Faust, Germany.
Arch. Community Technical Aid Centre, United Kingdom.

www.trespa.com

Trespa China Co. Ltd.

Room 2604-05, HuaiHai Plaza
No. 1045 HuaiHai Road (central)
ShangHai 200031, P.R. China
Tel: 86 (0) 21 6288 1299
Fax: 86 (0) 21 6288 1296
infochina@trespa.com

CSD Asia/Pacific

Tel: 86 (0) 21 5465 8388
Fax: 86 (0) 21 5465 6989

Trespa Singapore Pte Ltd.

3 Raffles Place
#07-01 Bharat Building
Singapore 048617
Tel: +65 6329 9783
Fax: +65 6329 9699
infoapac@trespa.com

Your Trespa distributor:

code U-14800
version 05-2009 copies 7,500

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COLOUR COLLECTION INTERIOR PANELS



Think Trespa

TRESPA®

TRESPA ATHLON

Trespa Athlon panels are specifically designed for interior applications. Their integrated decorative surface is designed for intensive use. It is impact, scratch and wear resistant. Panels are easy to keep clean and as they do not absorb or retain moisture they can be cleaned frequently, using standard cleaning agents and certain disinfectants.

Impact Resistant

The combination of a solid, homogenous core with a hard surface based on melamine resins gives Trespa Athlon exceptional impact resistance. This is confirmed by its day-to-day practical use as wall cladding in public rooms and rooms susceptible to vandalism, sanitary cubicles or as bumper rails in hospital corridors.

Scratch and Wear Resistant

The special surface structure and durability provide excellent scratch resistance. Even in heavy-duty use, Trespa Athlon retains its appearance for a very long time. The panel is highly resistant to wear, making it ideal for installation where heavy use and frequent cleaning are expected. Trespa Athlon is commonly used as office or laboratory worktop.

Moisture Resistant

Trespa Athlon is not adversely affected by moisture and is not susceptible to discoloration, 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.

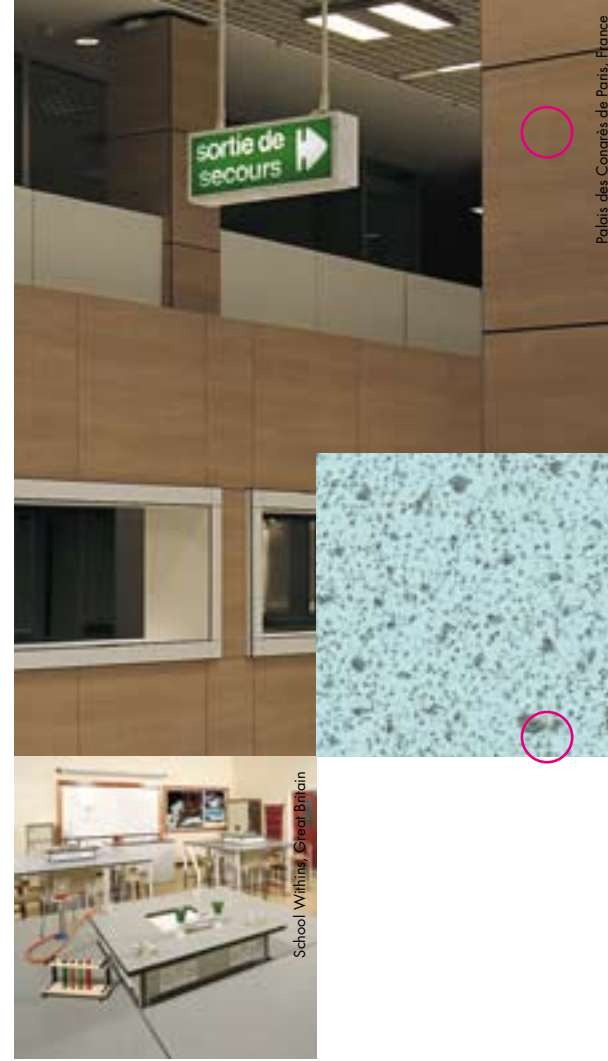
Safe Fire Behaviour

Trespa Athlon is heat resistant. Due to the high density, Trespa Athlon ignites at relatively high temperature and carbonises in a way similar to (hard)wood. The panel material does not melt, drip or explode and retains its stability for a long period of time. Authorised testing bodies throughout the world have confirmed that Trespa Athlon Fire Retardant grade (FR) panels fall within one of the most favourable fire classes. The choice to use either standard panels or fire-retardant modified (FR) panels depends on the nature and the intended use of the

building project. National and/or regional fire regulations are decisive in this respect.

Environmental Considerations

Environmental considerations play a significant role in the development and manufacture of Trespa panels. Trespa International was one of the first producers of panel material to be certified according to ISO 14001, awarded by Lloyd's Register. The ISO 14001 standard describes the steps required for setting up, implementing, maintaining and improving a completely integrated environmental management system.



Folios des Congrès de Paris, France

School William Grenville

Uni colours

E 0-015 Pastel Grey	
E 25-013 Ash Grey	
E 0-02 Silver Grey	
E 25-02 Opal Grey	
E 25-03 Zinc Grey	
E 0-04 Mid Grey	
E 0-09 Black	
E 16-16 Marine Blue	
E 18-45 Prussian Blue	
E 15-54 Ultra Marine	
E 17-52 Aqua Blue	
E 17-33 Brilliant Blue	
E 17-32 Powder Blue	
E 25-04 Steel Blue	
E 17-30 Heaven Blue	
E 19-11 Light Blue	
E 25-01 Icay Blue	
E 13-00 Cristal Pink	
E 2-01 Pearl White	

E 0-00 White	
E 2-10 Paper White	
E 3-01 Sand	
E 3-11 Light Ivory	
E 1-01 Ivory	
E 2-11 Stone Beige	
E 2-12 Mid Beige	
E 5-11 Soft Pink	
E 7-52 Carmine Red	
E 7-62 Poppy Red	
E 6-53 Orange Lead	
E 3-42 Gold Yellow	
E 2-31 Melon Yellow	
E 1-215 Pampus Yellow	
E 23-21 Pastel Green	
E 20-12 Aquamarine	
E 23-53 Grass Green	
E 22-53 Emerald Green	

Fantasy

S 0-00 White	
S 0-015 Pastel Grey	
S 0-02 Silver Grey	
S 0-04 Mid Grey	
S 3-01 Sand	
S 2-31 Melon Yellow	
S 19-11 Light Blue	
S 17-30 Heaven Blue	
S 17-32 Powder Blue	
S 20-12 Aquamarine	
PA-6 Patina Light Blue	
PA-5 Patina Turquoise	
PA-4 Patina Golden	
PA-3 Patina Orange Red	
PA-2 Patina Rusty Red	
PA-1 Patina Green	
PI-1 Grit Grey	
PI-2 Grit Blue Grey	

Wood Decors

W 71-03 Silver Maple	
W 80-01 Lime	
W 88-02 European Wild Apple	
W 74-02 Solid Oak	
W 74-01 Oak	
W 78-01 Wild Cherry	
W 85-02 Pear	
W 73-01 Beech	
W 82-03 Verona Walnut	
W 76-01 Highland Pine	

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