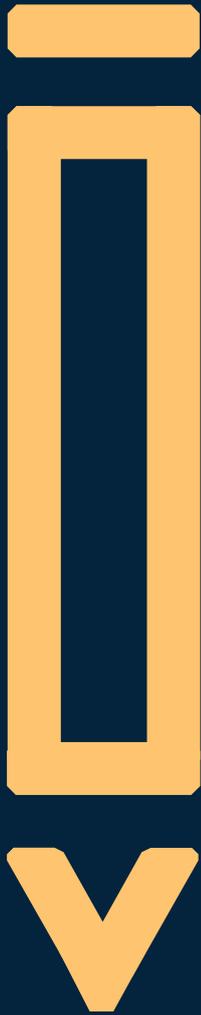




Intelligent  
Door  
Solutions

Bespoke Door  
Only Offering





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# About Us

Intelligent Door Solutions is focused around the following aims:

## Our Vision

'To help our customers to build well, using sustainable materials.'

## Our Mission

'To be the first-choice supplier for certified timber and timber-based products in the UK by making it easy for our customers to trade with us.'

## The Company

Intelligent Door Solutions is a progressive and innovative family-run business which has been in operation for almost 100 years.

A major force in the UK timber industry with a national network of x3 manufacturing depots, we aim to provide the best timber and timber-based products available.

## Customers

Our customers are the heart of our business – they are the driving force behind everything we do.

## Staff

Our employees are the source of our strength and the foundation of our knowledge, determination and success.

## Products

We aim to stay at the forefront of our industry, by delivering both quality and innovation through our products. Our stock range cannot be beaten and we endeavour to support this by constantly reviewing our product offer, through research and development and the evaluation of new materials.

## Service

Our customers can be assured of a fast turnaround, excellent quality and a service that's unrivalled anywhere in the UK.

This is made possible by our large, well-stocked and strategically located depots and our own fleet of delivery vehicles.

# It's just a door isn't it?

Doors not only need to look great, they should also perform well in their environment, whether they are in a hotel, school, shopping centre or in a home.

Our Door Solutions bring together the best in manufacturing capabilities and design, to deliver great looks and superb performance.

Our range offers exceptional sound and fire proofing properties to fit any project perfectly.

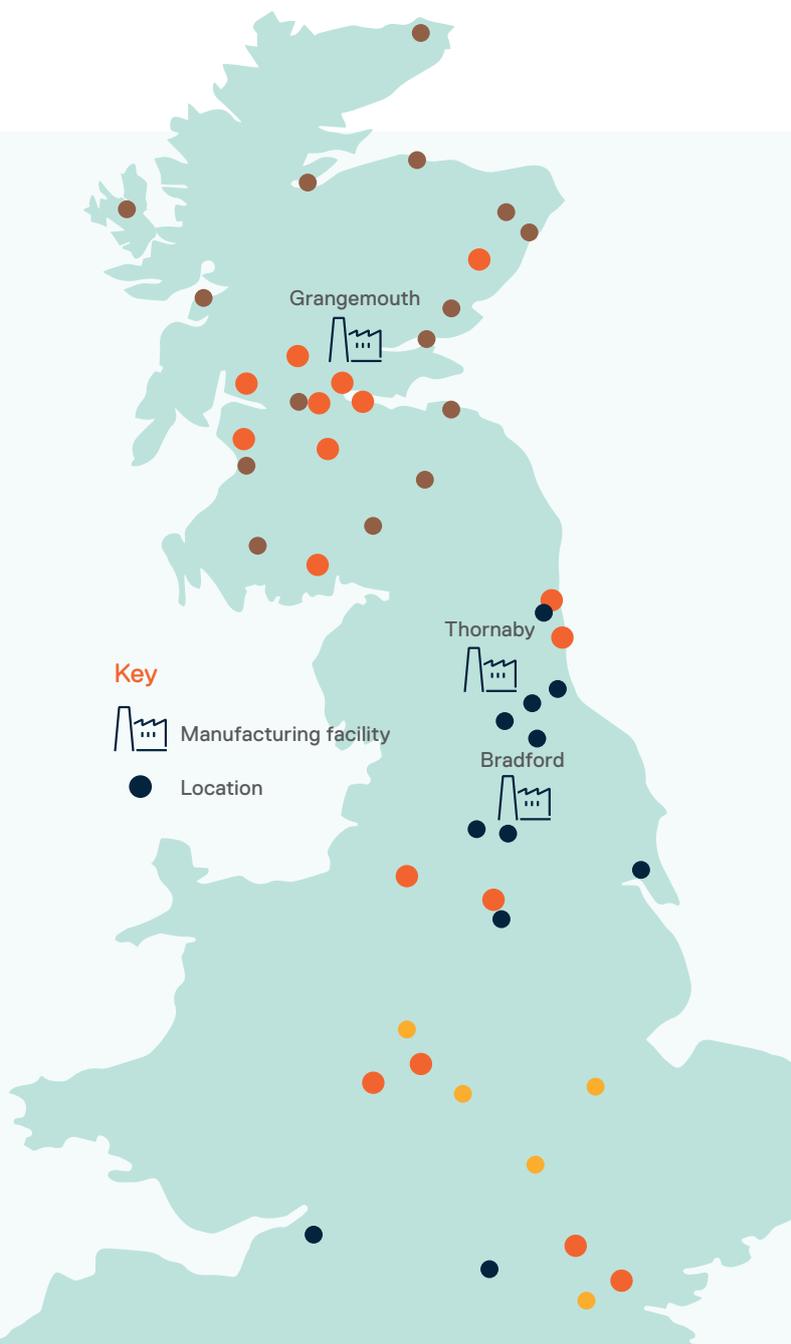
And to complement your interior design requirements, our doorsets can be customised from a wide selection of door finishes to add that wow factor.



# Our Manufacturing Processes

We offer a bespoke doorset manufacturing service that is designed to make installation quick and easy. With locations across the UK, our manufacturing process and materials are carefully controlled and monitored to ensure every doorset produced is of the highest quality.

## Locations throughout the UK



**3** manufacturing sites in the UK

**48k** doors manufactured each year



### Making the Door

The door leaf will be manufactured by using either a pre-manufactured door from a certified volume door manufacturer or in-house made from door components. The door will be finished as specified from a large range of options including painted, woodgrain veneers, laminated or bespoke pantograph designs.

The door will then be processed through the CNC machine which will router for the hinges, ironmongery and intumescent and acoustic seals as required.

Glazed fire doors will be manufactured by our specialist glazing team to ensure compliance with certification and that the appropriate fire seals and glazing systems are used.

---

### Meeting Standards

Our manufacturing practices and sourcing of raw materials follow the strict policies and guidelines of our ISO 9001:2015 quality management system.

All our doorset ranges are tested and certified to EN 1634-1 or BS 476 standards by independent accredited bodies to meet Building Regulations.

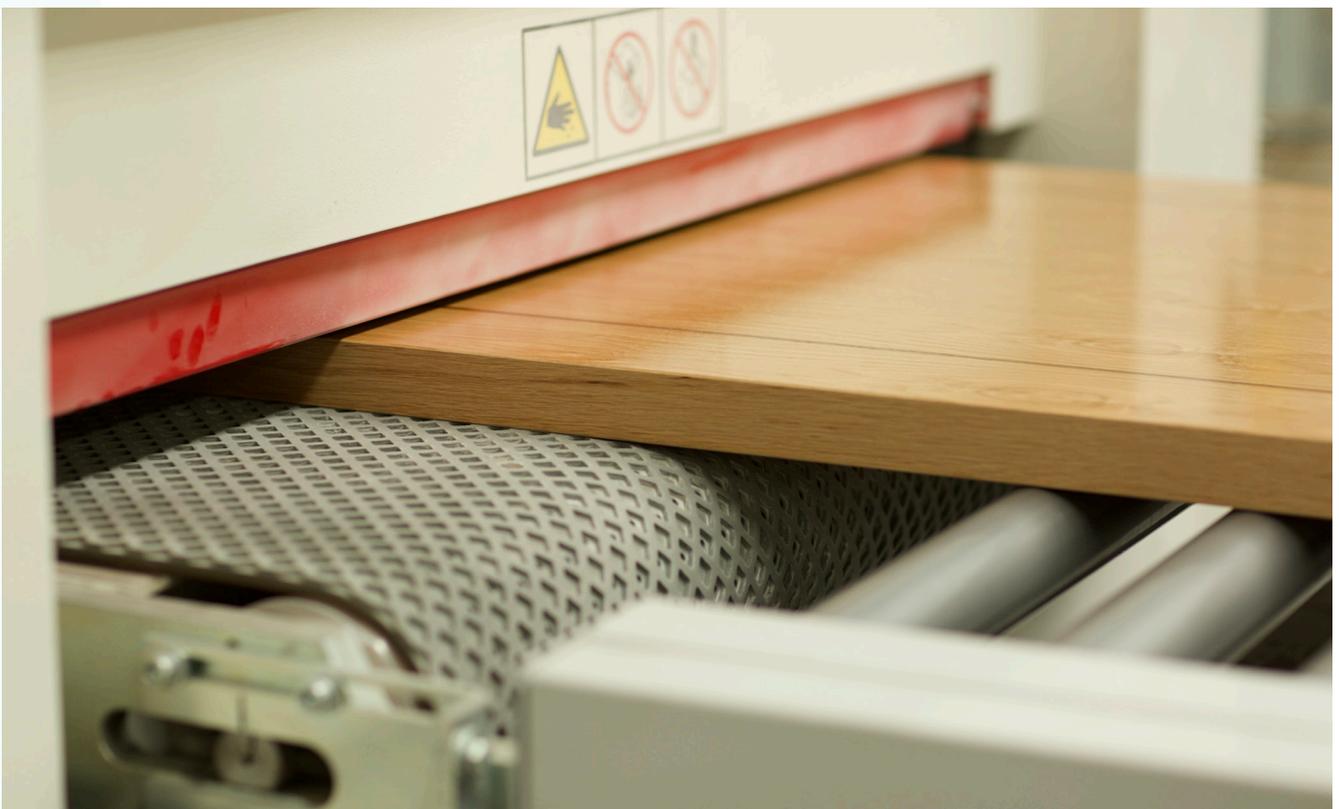
We are also proud to be members of Fire Door Alliance, British Woodworking Federation and BM TRADA QMark who rigorously test and accredit our doorsets to ensure they comply with fire and acoustic ratings and industry standards.

---

### Unique Door Reference

The importance of third party certification is to ensure that doors are correctly labelled to maintain traceability of the product. Not only during installation but during its entire working life.

Each of our fire doors will have a label or plug fixed to it which has a unique serial number intended for that traceability. These are placed at the top of the door and recorded within our manufacturing process. This is the only method of tracking the door back to its manufacturing origin and consequently should never be removed.



### How We Deliver

Veneer and laminate doors will have protective covering placed over the door to preserve the finish.

### Our Vehicles

We will deliver your doorsets from our fleet of vehicles ranging from 40ft trailers to Moffett trucks depending on the size of the load, if a fork lift is required and the location of the site. If there are access restrictions or a fork lift is required to offload, please make us aware of this in advance so that we can make the necessary arrangements. Our fleet of Moffett trucks come complete with a mounted fork lift saving time on site.

### Handling & Storage

As doors are heavy we recommend a minimum of two people handling them. They should be lifted evenly to avoid bending and stored on a flat level surface inside a dry, well ventilated area avoiding exposure to sunlight.

Any defects that are immediately visible should be written on the delivery note straight away.

Each door should be checked upon delivery within 48 hours and any further defects or damages reported within that time. Each door should then be repackaged to keep them protected until it is time for them to be installed.

Use load bearers equally across the doors when stacking to ensure even weight distribution and place the widest door at the bottom.



## Delivery, Handling, Storage and Installation





# Tried and Tested

All Intelligent Door Solutions Doorset ranges are tested and certified to ensure exacting performance and full compliance for every application that they are made for.

Our team also play a leading role in the industry, by working closely with door certification bodies to continually drive quality and safety standards for doors and other joinery products.



## 10 years Guarantee

All doors are guaranteed for 10 years against manufacturing defects providing they are stored, fitted and maintained as recommended.



## British Standards

All doors are manufactured in accordance with the following standards, BS4787 Pt 1 (tolerances), BS EN1634 -1 & BS 476: pt 22 fire performance.



## Mobility

To comply with BS8300 and Part M of Building Regulations doors should be designed and specified using 'effective clear opening widths' to provide disabled access and movement. We offer a range of widths to comply with regulations.



## Glazing

All glazing units use safety glass and are tested and fitted to meet the relevant fire and acoustic performance criteria.



## Seals

Intumescent fire and smoke seals are essential to the door performance so are durability tested to up to 10 times the industry standard to resist fire under conditions of BS 476-22: 1987, BS EN 1634 -1: 2014 and smoke conditions.



## Durability

Our doors are tested to meet the requirements of EN1192 for strength and EN12400 for mechanical durability.



## Integrated Management Systems Certified

Our manufacturing processes are strictly managed under the guidelines of our ISO9001, ISO 14001 and BSOHSHS18001 policies and procedures.



## Sustainability

Our doorset materials are sourced from responsibly managed forests and carry either Forest Stewardship Council® (FSC®) or PEFC chain of custody certification.

# Sustainable and Certified

We work with a range of third parties to certify our products and ensure we remain up-to-date with the latest industry accreditations and trends.

We work closely with various industry door schemes, to ensure all our fire and acoustic doorsets adhere to the required specifications and regulations.

## Sustainable Sourcing

We value our green credentials and believe strongly that it is our corporate and social responsibility to preserve the world's forests and promote effective forestry management. We do this by ensuring our products are sourced from legal, sustainable and well managed forests and mills.

Our doorsets carry Forest Stewardship Council® (FSC®) or PEFC chain of custody certification that is independently evaluated, certified and available upon request.

## Door certification



## Industry accreditations



## Environmental certifications

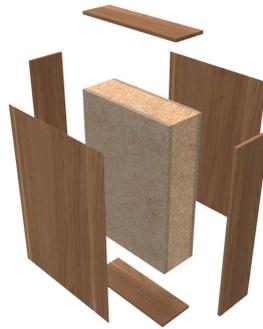


# Bespoke and Advanced Ranges

These ranges have different core construction that can be made to order and are composed of 3-layer particle board with various fire ratings. The heavy duty range provide extra strength and the option of feature grooves and panel designs.



Solid Core  
44mm FD30



Solid Core  
54mm FD60

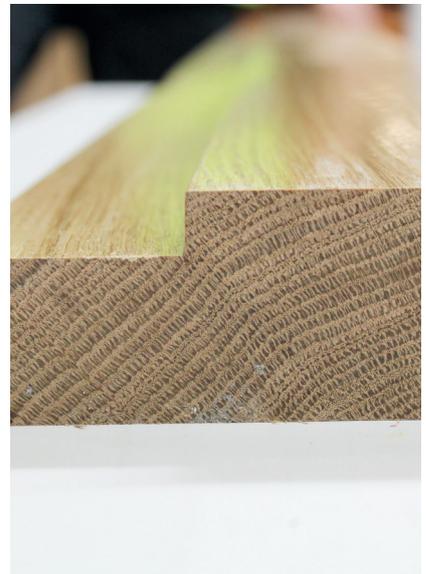


Heavy Duty Core  
(HDC) 44mm FD30



Heavy Duty Core  
(HDC) 54mm FD60

Huet have a range of composite cores to meet specific requirements.





# Fire Resistant Glazing

Glazing has a major impact on fire performance – the aperture shape and position, and style of bead and glass – are all major influencers.

Therefore, when forming a glazed aperture in a fire resistant door or wall it's essential that correct fire resistant glass is installed.

## Choosing the Right Glass

There are three main fire related threats to consider when choosing glass for an application.

### Smoke –

is one of the main causes of fire deaths and obscures visibility which impacts on seeing escape routes if a fire breaks out.

### Flames –

will cause the fire to spread which will destroy property and potentially cause fatal injuries.

### Radiated Heat –

causes the spread of fire through combustible materials.



## Insulation and Integrity

There are various glazing options which, when combined with the appropriate glazing system, will provide a solution to combat smoke, flames and radiated heat. These are classified as E, EW and EI.



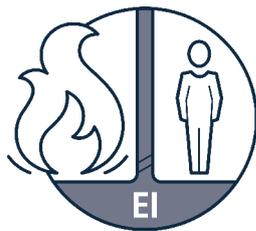
### E Class – Integrity Only

Glass that meets these criteria will stop the spread of flames and hot gases, but it will not stop the spread of radiated heat transferring through the glass. This can cause materials on the non-fire side to combust when it reaches a high temperature.



### EW Class – Integrity and Radiated Heat Control

Glass in this category will stop flames and smoke and reduce the level of radiated heat to no more than 15kW/m<sup>2</sup> from a metre distance.



### EI Class – Integrity and Insulation

This glass offers the highest level of protection stopping flames, smoke and radiated heat. An interlayer between the glass panes foams up in the event of a fire which protects and cools the glass and provides an opaque barrier.



### Impact Resistant

Glass which meets this category has some form of safety function to protect against injury or impact with glass and is categorised for its impact resistance within BS EN 12600 and BS 6206, and in addition to classification BS EN 12600 (in order of highest performance are: Class 1B1, Class 2B2 and Class 3B3).

## Fire Glazing Components

The glazing cassette comprises of the fire resistant glass, a fire glazing system and the glazing bead.

The fire resistant glazing system holds the glass firmly in place during normal use, but in the event of fire the intumescent material expands, securing and insulating the glass and protecting the surrounding timber.



30-minute fire-glazed door in normal 'cold' conditions

30-minute operating in normal 'hot' conditions



60-minute fire-glazed door in normal 'cold' conditions

60-minute operating normal 'hot' conditions

We provide glazed fire doorsets and screens which provide fire resistance from 30 minutes up to 120 minutes. These are fully tested and certified to meet requirements.

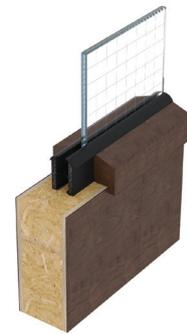
## Fire Glazing Systems

We use a variety of fire certified glazing systems to meet the required specification and fire door ratings. Listed below are the most common ones used based on the typical performance criteria required. These are all independently tested and accredited under the BWF-CERTIFIRE scheme.



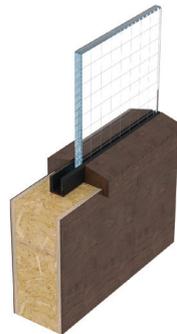
### FF1

Designed for use with glazed apertures in 30-minute fire resistant doors.



### RF1™

A versatile glazing system for 60-minute fire resistant doors and screens.



### System-36 Plus

This is a flexible U-shaped glazing gasket designed for 30 and 60-minute fire resistant doors and screens.

- Can fit glass thickness from 5mm to 23mm
- Flexible enough to be fitted to curved corners and circular vision panels

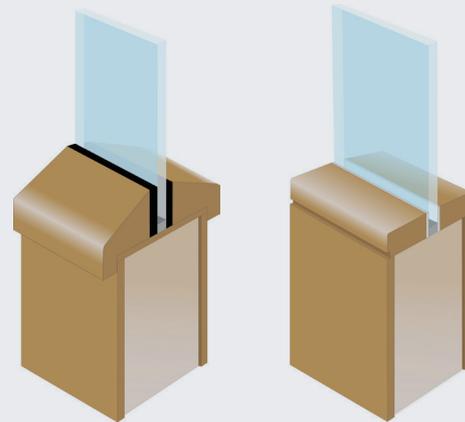


### System-90 Plus

Designed for 60, 90 and 120-minute fire resistant doors and screens.

- U-shaped PVC profile containing an intumescent core and liner

Huet doorsets use their own certified fire glazing system.



Bolection Bead

Flush Bead

## Glazing Beads

Glazing beads are required on both sides of the glass and will be aesthetically finished to match the door. We can provide a variety of bolection beads or a flush bead depending on design requirements. The flush bead provides cleaner sight lines whilst a bolection bead offers a more traditional look suitable for all applications apart from sliding doors.

## Vision Panel Designs

Glazing designs improve safety in busy environments because of the ability to see through them as well as offering improved design attributes. The panel design choice will depend on the performance requirements of the doorset. Our technical team will assist you to explain the options and ensure the correct glazing is specified.

We have included our most commonly specified glazed fire door designs offering 30 and 60 minute fire ratings but can offer others upon request.

We can offer clear, obscure and manifestation designs of glass for fire and non-fire glazed doors.

Huet use their own fire glazing cassettes to meet UK standards, and their vision panel designs are highlighted on pages 68 – 107 in the technical section.



|       | Non-fire | FD30            | FD60             |
|-------|----------|-----------------|------------------|
|       | Clear    | Pyrodur®<br>7mm | Pyrodur®<br>10mm |
| AL 54 | ✓        | ✓               | ✓                |
| AL 01 | ✓        | ✓               | ✓                |
| AL 56 | ✓        | ✓               | ✓                |
| AL 63 | ✓        | ✓               | ✓                |
| AL 38 | ✓        | ✓               | ✓                |
| AL 37 | ✓        | ✓               | ✓                |
| AL 16 | ✓        | ✓               | ✗                |



AL 54



AL 01



AL 56



AL 63



AL 38



AL 37



AL 16



# Seal Colour Range

## Standard Colours

All our intumescent seals are available in a standard range of colours, some of which have been selected to harmonise with commonly specified timbers.

The Batwing® and DS seals are normally supplied with black brushes or fins; white fins are also available.

## Metallic Finishes

Satin Anodised Aluminium (M203)

Bright Polished Chrome (M403)

Satin Stainless Steel (M404)

Note: The limitations of the printing process mean the colours and finishes shown here may not be exactly the same as the seals supplied.

We can supply free samples to assist colour matching.



White (0303)



Cream (1047)



Maple (1740)



Gold (0502)



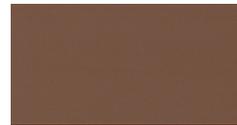
Bronze (0501)



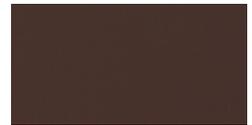
Copper (0503)



Red (3073)



Light Brown (8018)



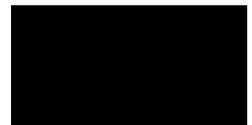
Dark Brown (8004)



Silver (0701)



Grey (D838)



Black (0001)

## Woodgrain Finishes

Many seals are available with a woodgrain or metallic finish. Both finishes are achieved by laminating special polyester films directly onto the PVC casing of the seal.

Be aware that timber darkens with age and can change colour significantly when polishes and other clear finishes are applied.

## Special Colours

We also offer many special finishes and a precise colour matching service.



American Sycamore (W402)



Limed Oak (W532)



Beech (W046)



Ash (W047)



American White Oak (W502)



Medium Oak (W512)



European Walnut (W018)



American Cherry (W552)



Sapele (W501)



Teak (W522)



American Black Walnut (W804)

## Let's Specify

We have included specification details and drawings for our most popular designs taken from our Standard, Bespoke and Advanced ranges, manufactured by Intelligent Door Solutions and Huet. These provide an extensive choice of performance and aesthetics encompassing fire, acoustics, security, glazing designs and ironmongery. For those important finishing touches you can find a broad selection on pages 108 – 117.

We can also provide tailor made doorset specifications to meet your individual requirements. Please get in touch to discuss your project in more detail.





# Finishing Touches

We know that as well as giving exceptional performance, a doors' appearance is intrinsic to the overall interior design of a space.

These are some of the most popular colours but others are available so please get in touch if you can't find what you are looking for.

## Intelligent Door Solutions Veneer Range



Ash



Cherry



Oak



Steamed Beech

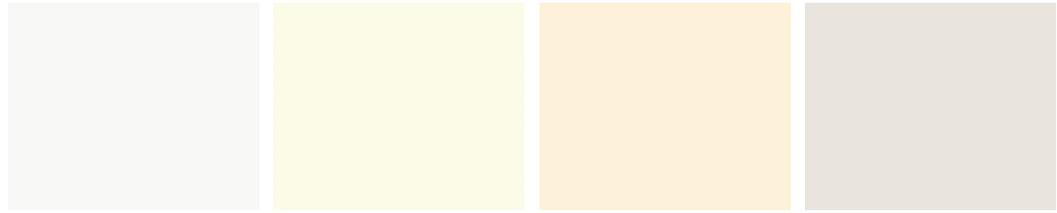


Walnut

Please note that the colours in this document are as accurate as the printing process allows. Please contact us for exact colour swatches.



Formica® Colours Range



White  
MAT (F0949)

Polar White  
MAT (F2255)

Soft White  
MAT (F7949)

Antique White  
MAT (F7932)

Surf  
MAT (F7923)



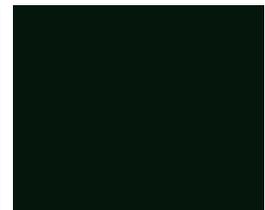
Folkstone  
MAT (F7927)

Steel  
MAT (F1484)

Oyster Grey  
MAT (F7929)

Fog  
MAT (F7961)

Mouse  
MAT (F7928)



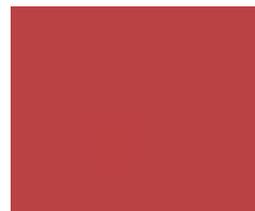
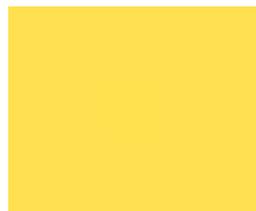
Earth  
MAT (F5342)

Lead  
MAT (F7924)

Storm  
MAT (F7912)

Graphite  
MAT (F7837)

Diamond Black  
MAT (F2253)



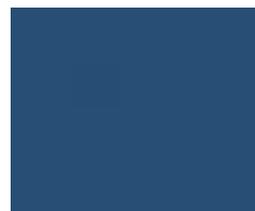
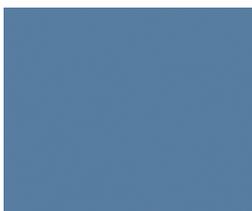
Dusty Jade  
MAT (F7879)

Vibrant Green  
MAT (F6901)

Chrome Yellow  
MAT (F1485)

Spectrum Red  
MAT (F7845)

Viola  
MAT (F5345)



China Blue  
MAT (F7884)

Tropical Blue  
MAT (F2828)

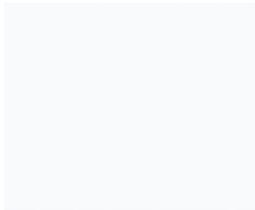
Denim  
MAT (F8822)

Marine Blue  
MAT (F7914)

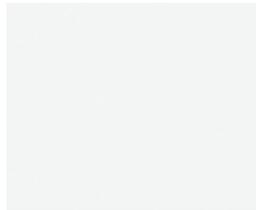
Nocturne  
MAT (F5323)



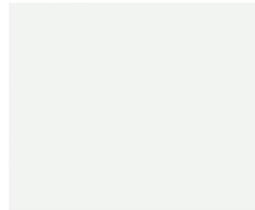
Bright White  
MAT (F7459)



Super White  
MAT (F2696)



Aries  
MAT (F1093)



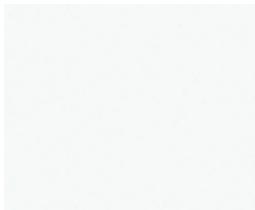
Baikal  
MAT (F2001)



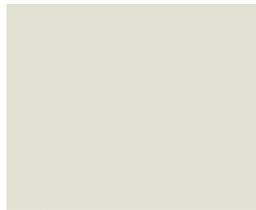
Crystal White  
MAT (F3091)



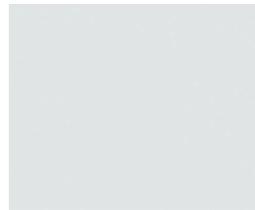
Blanc Polaire  
MAT (F2274)



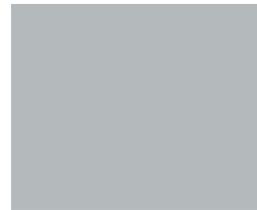
Malibu  
MAT (F2010)



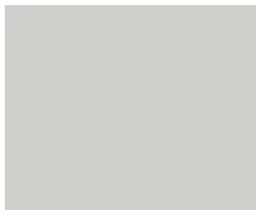
Silver  
MAT (F2791)



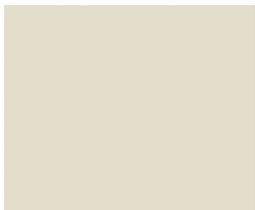
Glacier  
MAT (F7938)



Fox  
MAT (F1994)



Iron  
MAT (F7902)



Pumice  
MAT (F7858)



Sparta  
MAT (F0189)



Tornado  
MAT (F1535)



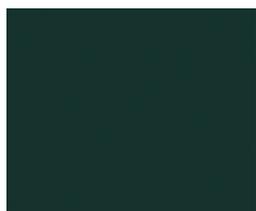
Mouse  
MAT (F7928)



Sarum Grey  
MAT (F2770)



Otter  
MAT (F3202)



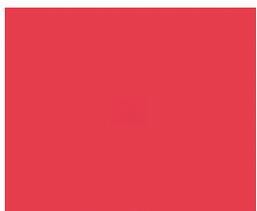
Terril  
MAT (F2297)



Citadel  
MAT (F9266)



Levante  
MAT (F3210)



Energy  
MAT (F5348)



Blush  
MAT (F8238)



Just Rose  
MAT (F8858)

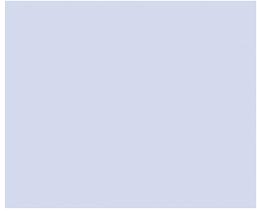
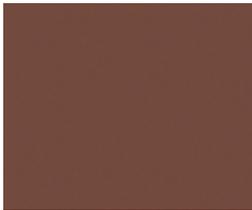
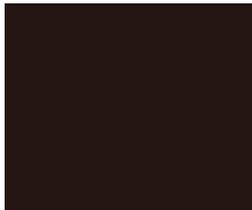
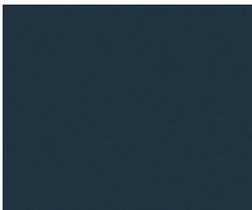
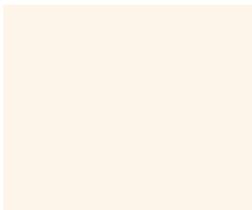
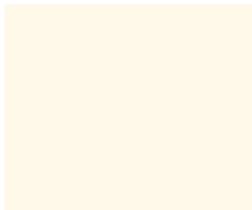


Heather  
MAT (F0233)



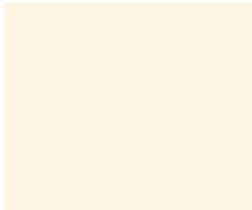
Thistle  
MAT (F7880)

## Formica® Colours Range

|   |   |   |  |   |
|---|---|---|--|---|
|    |    |    |    |    |
| Clementine<br>MAT (F2962)   | Carnaval<br>MAT (F1238)   | Adobe<br>MAT (F8141)  | Juicy Pink<br>MAT (F0232)  | Lilac<br>MAT (F2582)  |
|    |    |    |    |    |
| Azur<br>MAT (F1019)   | Blaze Red<br>MAT (F2824)  | Brick<br>MAT (F8140)  | Amarena<br>MAT (F6907)   | Peaceful Blue<br>MAT (F0231)  |
|  |  |  |  |  |
| Grenadine<br>MAT (F6902)  | Beaujolais<br>MAT (F0188)   | Henna<br>MAT (F8239)  | Viola<br>MAT (F5345)   | Spectrum Blue<br>MAT (F7851)  |
|  |  |  |  |  |
| Ultramarine<br>MAT (FXXXX)  | Paprika<br>MAT (F2005)  | New Burgandy<br>MAT (F7966)   | Night Shade<br>MAT (F8243)   | Cassis<br>MAT (F6903)   |
|  |  |  |  |  |
| Night Sea<br>MAT (F8242)  | Soft White<br>MAT (F7949)   | Magnolia<br>MAT (F1534)   | Porcelena<br>MAT (F1192)   | Alpino<br>MAT (F1040)   |



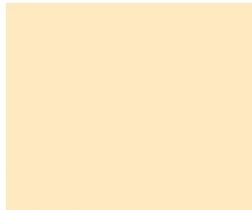
Seringa  
MAT (F2273)



Irish Cream  
MAT (F1531)



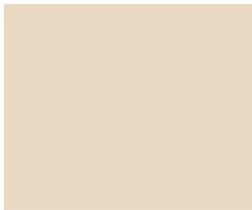
Pearl  
MAT (F7934)



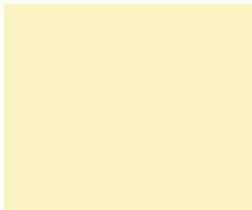
Papyrus  
MAT (F0547)



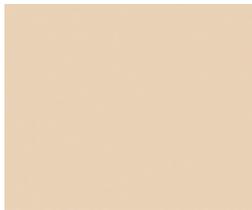
Sno White  
MAT (F2296)



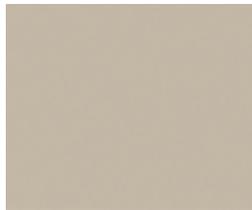
Sandstone  
MAT (F2833)



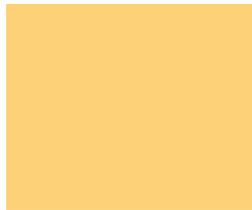
Pale Gold  
MAT (F7882)



Cygnet  
MAT (F3050)



Oyster Grey  
MAT (F7929)



Tenere  
MAT (F1803)



Just Gold  
MAT (F8857)



Spectrum Yellow  
MAT (F7940)



Sun  
MAT (F4155)



Terracotta  
MAT (F4161)



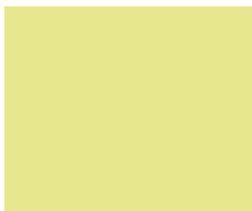
Dark Chocolate  
MAT (F2200)



Earthenware  
MAT (F88241)



Artichoke  
MAT (F0800)



Avocado  
MAT (F3236)



Pale Olive  
MAT (F3007)



Leaf Green  
MAT (F8820)



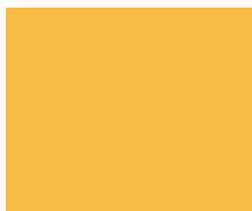
Mojave  
MAT (F8751)



Kashmir  
MAT (F0187)



Café  
MAT (F0903)

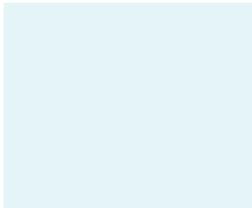
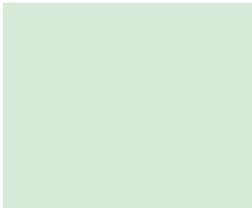
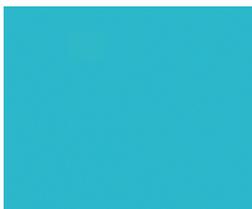
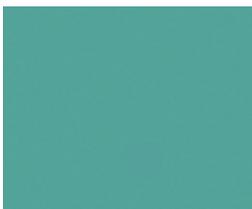
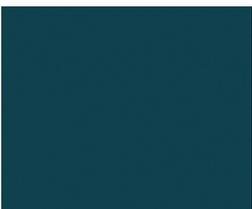
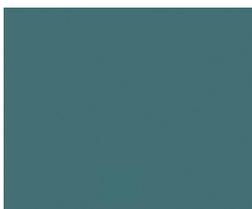
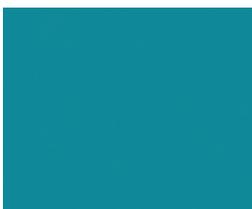
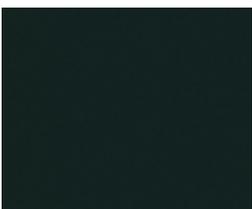


Sol  
MAT (F3209)



Iris  
MAT (F1194)

Formica® Colours Range

|   |   |   |  |   |
|---|---|---|--|---|
|    |    |    |    |    |
| Arctic Blue<br>MAT (F5493)  | Opal<br>MAT (F2966)   | Ocean Grey<br>MAT (F7853)   | Seed<br>MAT (F5344)  | Possum<br>MAT (F5343)   |
|    |    |    |    |    |
| Just Blue<br>MAT (F8821)  | Oslo<br>MAT (F1998)   | Fossil<br>MAT (F5349)   | Marble Green<br>MAT (F8245)  | Lime<br>MAT (F4177)   |
|  |  |  |  |  |
| Lemon<br>MAT (F8755)  | Liquid Glass<br>MAT (F8240)   | Maui<br>MAT (F5347)   | Wasabi<br>MAT (F5341)  | Spectrum Green<br>MAT (F7897)   |
|  |  |  |  |  |
| Caribbean<br>MAT (F4172)  | Capri<br>MAT (F1326)  | Deep Sea<br>MAT (F5521)   | Algae<br>MAT (F8796)   | Fir<br>MAT (F8237)  |
|  |  |  |  |   |
| Grotto<br>MAT (F7846)   | Bermuda<br>MAT (F2478)  | Green Slate<br>MAT (F8793)  | Night Forest<br>MAT (F8244)  |   |

Formica® High Pressure Laminate (HPL) is manufactured through fusing multiple layers of impregnated paper under high pressure and temperature to create a hard-wearing, durable and hygienic surfacing material.

Formica® Laminate Woods Range



White Ash  
MAT (F8841)



Natural Ash  
MAT (F8843)



Clear Maple  
MAT (F3855)



Natural Beech  
MAT (F2726)



Elegant Oak  
MAT (F5374)



Bio-Oak  
MAT (F7603)



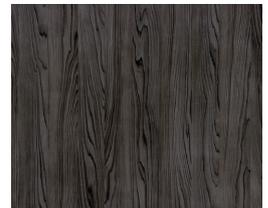
Finn Beech  
MAT (F0190)



Vintage Wood  
MAT (F5372)



Macchiato Walnut  
MAT (F6932)



Nocture Wood  
MAT (F5373)



Classic Wenge  
LNW (F8851)



Rural Oak  
Premium PGN (F8853)



Rattan Cane  
Premium NAT (F3699)



Smoky Brown Pear  
Premium NAT (F8966)



Blonde Cedar  
MAT (F8576)



Pale Ash  
MAT (F1004)



Belvedere Beech  
MAT (F8579)



Tromso Maple  
MAT (F1549)



Raw Birchplay  
NAT (F8910)



Evergreen Oak  
LNW (F8585)



Aged Ash  
NAT (F8844)



Birch  
MAT (F7921)



Natural Cane  
NAT (F6930)



Light Oak  
MAT (F6149)



Classic Walnut  
MAT (F5486)

Formica® Laminate Woods Range



Vosges Pear  
MAT (F2884)



Redwood  
MAT (F1293)



Pecan Woodline  
MAT (F5883)



Rural Oak  
PGN (F8853)



Millennium Oak  
PGN (F5887)



Bio-Oak  
MAT (F7603)



Natural Oak  
NAT (F1079)



Ivory Oak Cross  
MAT (F5370)



Mocca Firwood  
LNW (F5483)



Carpentry Oak  
NAT (F5883)



Formal Walnut  
NAT (F5782)



Jarrah Legno  
MAT (F8847)



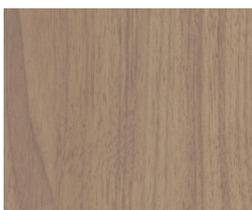
Ebony  
NAT (F9012)



Tula Oak  
PGN (F8589)



Refined Walnut  
NAT (F5872)



Cetina Walnut  
MAT (F8586)



Peruca Walnut  
MAT (F8587)



Nevada Oak - MAT  
MAT (F8588)



Nevada Oak - PGN  
MAT (F8588)



Nevada Oak - NAT  
MAT (F8588)



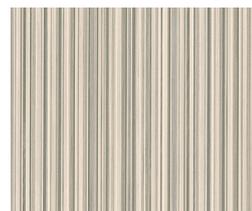
Ventura Oak  
NAT (F5873)



Dark Ash  
NAT (F8575)



Mocha Cedar  
MAT (F1548)



Ashen Ribewood  
MAT (F8839)



Avignon Walnut  
MAT (F8006)



Ebony Ribbonwood  
MAT (F0873)



Blackened Legno  
NAT (F8848)



Ebony Oak Cross  
MAT (F5477)



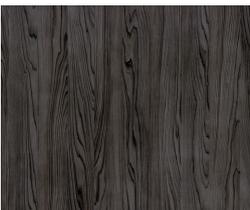
Smoky Brown Pear  
NAT (F5488)



Black Birchplay  
NAT (F8552)



Punga Punga Wood  
MAT (F1614)



Nocturne Wood  
MAT (F5373)



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