

product durability

timber Species, Mouldings & Finishing options

stylish & durable finishing solutions

durability by design, a way forward for sustainability

The durability of the timber components in our window and door range is determined largely by the correct design of the product rather than the durability of the timber species.

Correct design ensures that water and resulting moisture can run off (escape) from the component whilst maximum paint / stain adhesion is maintained. Our attention to correct profile angles, arrises, jointing, glue detailing, end grain sealing and ventilated glazing systems together with the use of water based preservatives for the less durable timber species ensures a sound platform for long term product durability and therefore a long and useful life.

Maximising the useful operating life of the product through "durability by design" is "a way forward for sustainability."

We detail below the "durability" status of some of the timber species we use together with other interesting characteristics of the species.

BS EN 350 – 1 details five durability classifications.

- Class 1 - Very Durable
- Class 2 - Durable
- Class 3 - Moderately Durable
- Class 4 - Slightly Durable
- Class 5 - Not Durable



Dempsey Dyer Ltd

ethically sourced timber species a way forward for sustainability

offering protection & style to your product finishing options

a timber species for every application

European Redwood

Sourced solely as engineered laminated stock to improve durability and stability, this timber provides a cost effective solution for our clients. As a class 3/4 durability timber, European Redwood is slightly to moderately durable.

Larch

Slow grown in central Europe and the high Alps, this softwood is sourced solely as engineered stock to help improve stability and durability and comes with a class 3/4 durability rating.

For both European Redwood and Larch we apply a water based preservative by flowcoater in accordance with BS EN 599-1.

Accoya

Accoya is a pine species which is available as FSC Certified. The pine is modified throughout the cross section by the acetylation process and the result is a class 1 durable timber.

Sapele Hardwood

Sourced from West Africa and the Cameroon, this timber features a medium reddish brown appearance with a marked striped figure. A stained finish is recommended to showcase the attractive grain. Sapele is a class 3 moderately durable timber.

European Oak

We source European Oak through the FSC certified supply chain, European Oak is a durable timber with an attractive grain. Complete with class 2 durability and not to be confused with American white oak which is an internal joinery timber.

The timber species highlighted on this page are sourced (where possible) through either the PEFC, FSC or Verified Progress certified sustainability schemes.

If your project has a specific timber species requirement not shown on this page, please contact your sales agent who will discuss your bespoke requirements further. For example we also source Idigbo and Iroko.

Product stability is enhanced by our factory humidification systems which ensure that the timber is maintained at the correct moisture content throughout the production process.



Timber Mouldings

Utilising CAD driven systems we are able to produce templates for a wide range of timber mouldings.

Available are a wide variety of expertly crafted skirting boards, fascias, soffits, architraves and mouldings.

With our in-house tooling department we are able to produce trims and features which can match the original appearance of your home, ensuring that your window, door or conservatory products fit in beautifully with the rest of your house.

Our Finishing Process

All our timber products are coated using the Teknos water-based paint system. After end-grain sealing, a primer is applied at the correct viscosity and temperature to all products by flowcoater. Flowcoating ensures the product is “deluged” with primer which ensures all “hidden” areas are coated.

Two top coats are then applied to the correct film micron thickness and at the correct air temperatures by air assisted spray.



Finishes

Our standard range of translucent and opaque finishes are shown below. The translucent colours are shown on the Sapele species and are indicative only and not a true representation because of the reliance on photography, colour printing and the variation in natural tints and grains on any particular piece of timber. Colour boards and samples are available on request and should always be referred to for colour confirmation. We can supply additional translucent finishes and the full range of BS 4800 and RAL opaque colour finishes on request.

Translucent

Afromosia	
Hawthorn	
Iroko	
Mahogany	
Oak	
Walnut	

Opaque

Black	
Chartwell Green	
Magnolia	
Olive Green	
Lavenham Blue	
White	

Lighter translucent colours require more maintenance than darker translucent and opaque colours.

Timber Protection

Our paint system protects the wood in three ways:

1. It protects the wood from harmful ultra-violet rays which can cause greying and coarsing of the wood.
2. It protects the wood from water ingress, and being microporous allows excess moisture to escape.
3. It is flexible and it can therefore expand and contract naturally with the Timber.