SPECIES data

SPECIES	Ash	Sweet Chestnut	Elm	Oak	Douglas Fir	Larch	Western Red cedar
wood type	hardwood	hardwood	hardwood	hardwood	softwood	softwood	softwood
moisture movement	**medium**	**small**	**medium**	**medium**	**small**	**small**	**small**
strength	high	medium - high (+/- 80% that of Oak)	medium (+/- 30% less than Oak)	high	high for softwood	medium - hard and tough for softwood	low
density Kg/m3 (at 12% moisture content)	**710**	**560**	**560**	**720**	**530**	**550**	**390**
durability	**not durable**	**durable**	**slightly durable**	**durable**	**slightly durable**	**slightly / moderately durable**	**moderately durable**
texture	medium to coarse	medium	coarse	medium to coarse	medium	fine	coarse
workability	**good**	**good**	**medium**	**medium to difficult**	**medium**	**medium**	**good**
treatability	**moderately easy**	**in heart wood, very difficult. in sapwood easy**	**difficult**	**in heart wood, very difficult. in sapwood easy**	**in heart wood, extremely difficult. in sapwood difficult**	**in heart wood, extremely difficult. in sapwood moderatly easy**	**extremely difficult, heartwood and sapwood**
chemical properties	depending on grain can be suitable for bending	dampness can produce iron staining and metal corosion due to presence of tannic acid	depending on grain can be suitable for bending	dampness can produce iron staining and metal corosion due to presence of tannic acid	none in particular	none in particular although resinous	dampness can produce iron staining and metal corosion due to presence of tannic acid
country of origin	UK	UK	UK	UK	UK	UK	UK
endangered	no	no	no	no	no	no	no
typical transport miles - place of origin to EWT (inc milling)	100 - 120 miles	100 - 120 miles	300 - 400 miles	100 - 120 miles	5 - 180 miles	5 - 180 miles	5 - 180 miles

Reference: TRADA species database

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