






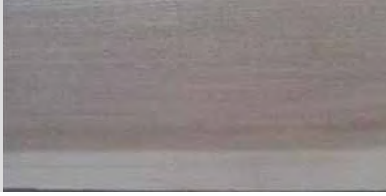


Oak Grading Specification

Defects	A Grade	B Grade	C Grade	D Grade	PHOTO
Smooth tight/ sound knots	Max Dia 10mm	Max Dia 20mm	Max Dia 40mm	Allowed Tight Cracked	
Dead knots	Max Dia 5mm	Max Dia 10mm	Max Dia 30mm, no drop off	No limitation be filled	
Open knots	Allow $\phi \leq 5\text{mm}$, must be filled	Allow $\phi \leq 10\text{mm}$, must be filled	Allow $\phi \leq 15\text{mm}$, must be filled	No limitation be filled	
Pin knots	×	Allow 2 pcs per board	Allow 3 pcs per board	No limitation	
Ring shake	×	×	×	✓	
Ends crack	×	×	×	✓	









Oak Grading Specification

Defects	A Grade	B Grade	C Grade	D Grade	PHOTO
Surface crack	×	×	×	✓	
Bark pockets	Allowed width 20mm x1.5mm 2 pieces , no cracking , must be filled	Allowed width 30mm x 3mm 2 pieces , no cracking , must be filled	Allowed width 40mm x 5mm 3 pieces , no cracking , must be filled	✓	
Headwood	×	✓	✓	✓	
Sapwood	×	Allowed, 15% of the width	✓	✓	
Color change	×	Allowed slight chemical color changed (blue,yellow or brown color)	Allowed non heavy chemical color changed (blue,yellow or brown color)	Allowed non heavy chemical color changed (blue,yellow or brown color)	
Color variation	Natural color variations	Not obvious color variations	Not worst natural color variations	All color variations	





Oak Grading Specification

Defects	A Grade	B Grade	C Grade	D Grade	PHOTO
Holes	×	Allow 3 pcs well filled per meter, $\phi = 2\text{mm}$	Allow 4 pcs well filled per meter, $\phi = 2\text{mm}$	Allow 4 pcs well filled per board, $\phi = 2\text{mm}$	
Stain	Must blend with finished color.	Must blend with finished color.	Must blend with finished color.	Must blend with finished color.	
Sticks	×	×	light	light	
Rot	×	×	×	×	
Mineral streaks	×	×	×	×	