

## IHPA Standard of Hardwood Face/Back Grade Characteristics-

### Ash,Birch,Maple,And Poplar

cut	plain-sliced(flat cut),quarter-cut,rotary-cut,see table 2 for common face veneer patterns											
grade description	AA			A			B			C	D	E
color and matching	sap	heart	nat	sap	heart	nat	sap	heart	nat			
sapwood	yes	no	yes	yes	no	yes	yes	no	yes	yes	yes	yes
heartwood	no	yes	yes	no	yes	yes	no	yes	yes	yes	yes	yes
color streaks or spots	slight			slight	yes		yes			yes	yes	yes
color variation	slight		yes	slight	yes		yes			yes	yes	yes
sharp color contrasts at joints	no			no			no			yes	yes	yes
type of matching												
book matched	yes			yes			specify					
slip matched	specify			specify			specify					
pleasing matched	-			-			yes					
nominal minimum plain-s	152mm			127mm			76mm			no limit	no limit	no limit
width of face quarter	76mm			76mm			76mm					
components rotary	152mm			127mm			102mm					
<b>Natural characteristics</b>												
small conspicuous burls&pin knots-combined avg.Number	2per 1m2			4per 1m2			6per 1m2			no limit	no limit	no limit
conspicuous <b>burls-max.size</b>	6.4mm			9.5mm			12.7mm			no limit	no limit	no limit
conspicuous <b>pin knots</b>												
avg number				4per 3m2			3per 1m2			no limit	no limit	no limit
max size: dark part	no			3.2mm			3.2mm					
total				6.4mm			6.4mm					
scattered sound and repaired knots-combined avg.number							4per 3m2			3per 1m2	4per 1m2	no limit
max.size-sound	no			no			9.5mm			12.7mm	25.4mm	38mm
max size-repaired							3.2mm			12.7mm	19mm	25.4mm

avg.no-repaired			4per 3m2	4per 3m2	2per 1m2	6per 1m2
mineral streaks	no.maple.slight	slight	slight	yes	yes	yes
bark pockets	no	no	few to 3.2mm x 25.4mm	few to 6.4mmx50.8m m	6.4mmx50.8m m	yes
worm tracks	slight	slight	slight.ash.y es	yes	yes	yes
vine marks	slight	slight	slight	yes	yes	yes
cross bars	slight	slight	yes	yes	yes	yes
MANUFACTURING CHARACTERISTICS						
rough Cut/ruptured grain	no	no	slight	two 203mm dia. areas or equivalent	5% of panel	10% of panel
blended repaired tapering hairline spins	two 0.8mm x 76mm on danel ends only	two 1.6mm x 152mm	four 3.2mm x 203mm	four 4.8mm x 254mm	six 6.4mm x 254mm	yes
repairs	very small biending	small blanding	plending	yes	yes	yes
special characteristics						

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