THERMO-TREATED SPECIES PROPERTIES

Compare to non-treated specie: Output Compare to non-treated specie: Couper - excellent Couper - good Couper - ok Co	Red Oak Dark	Red Oak Medium	Ash Dark	Ash Medium	Maple Dark	Maple Medium	Poplar Dark	Poplar Medium
Biological Durability	•••	•••	•••	•••	•••	•••	•••	•••
Dimension Stability	•••	••	•••	••	•••	••	••	•
Weight	00	0	00	0	0	0	000	00
Density	00	0	00	0	0	0	000	00
Openness of grain Structure	0	0	0	0	•	•	•	•
General Strength	00	0	00	0	0	0	000	00
Bending strength	000	00	00	0	00	0	000	00
Dynamic bending strength	000	00	00	0	00	0	000	00
Compression strength	00	0	0	0	0	0	00	0
Shear strength	000	00	00	0	0	0	000	00
Splitting strength	000	00	00	0	0	0	000	00
Screw holding strength	000	00	00	0	0	0	000	00
Brinell Hardness	•	•	•	•	•	•	•	•
Permeability (for water-based finish and glues)	00	0	00	0	0	0	00	0
Thermal conductivity	•	•	•	•	•	•	•	•
Fire resistance	•	•	•	•	•	•	•	•
Resistance to insect attack	•••	•••	•••	•••	•••	•••	•••	•••
Resistance to termites	•	•	•	•	•	•	•	•
Rot resistance	•••	•••	•••	•••	•••	•••	•••	•••
Non-structural Ground contact	••	•	••	•	••	•	••	•
Treatment of thick material (8/4)	00	0	•	••	•	••	0	•
		<u>APPLICA</u>						
Decking, boardwalks	0	••	•	••	••	•••	0	••
Siding	••	•••	•••	•••	•••	•••	••	•••
Structural Furniture	000	00	00	0	00	0	000	00
Non-Structural Furniture	••	•••	•••	•••	•••	•••	••	•••
Landscape design	••	•••	•••	•••	•••	•••	••	•••
Flooring	••	•••	•••	•••	•••	•••	••	••
Flooring for high humidity areas (bathrooms, pool areas)	••	•••	•••	•••	•••	•••	••	•••
Sinks, wash-bowls	00	0	00	0	•••	•••	••	••

THERMO	O-TRE	ATED	RED	OAK (DARK	<u>()</u>
	OOO (very bad)	OO (bad)	O (not OK)	● (OK)	● ● (good)	●●● (excellent)
Biological Durability						
Dimension Stability						
Weight						
Density				1		
Openness of grain Structure				1		
General Strength				1		
Bending strength				1		
Dynamic bending strength				1		
Compression strength				1		
Shear strength				1		
Splitting strength				1		
Screw holding strength				1		
Brinell Hardness]	
Permeability (for water-based finish and glues)						
Thermal conductivity						
Fire resistance						
Resistance to insect attack						
Resistance to termites						
Rot resistance						
Non-structural Ground contact						
Treatment of thick material (8/4)						-
APPLICATIONS:				1		
Decking, boardwalks						1
Siding Structural Furniture						I
Non-Structural Furniture						1
Landscape design						
Flooring Flooring for high humidity						
areas (bathrooms, pool areas) Sinks, wash-bowls						

THERMO-	TREA	TED	RED O	AK (M	IEDIU	<u>IM)</u>
	OOO (very bad)	OO (bad)	O (not OK)	• (OK)	● ● (good)	●●● (excellent)
Biological Durability						
Dimension Stability						
Weight						
Density						
Openness of grain Structure						
General Strength						
Bending strength			-			
Dynamic bending strength						
Compression strength	,					
Shear strength			-			
Splitting strength						
Screw holding strength						
Brinell Hardness	,					
Permeability (for water-based finish and glues)					'	
Thermal conductivity						
Fire resistance						
Resistance to insect attack						
Resistance to termites						
Rot resistance						
Non-structural Ground contact						
Treatment of thick material (8/4)						
APPLICATIONS:						1
Decking, boardwalks						
Siding						
Structural Furniture						
Non-Structural Furniture						
Landscape design						
Flooring						
Flooring for high humidity areas (bathrooms, pool areas)						

Sinks, wash-bowls

THER	<u> MO-T</u>	REAT	ED AS	<u> </u>	NRK)	
	OOO (very bad)	00 (bad)	O (not OK)	• (OK)	●● (good)	●●● (excellent)
Biological Durability						
Dimension Stability						
Weight						
Density	[
Openness of grain Structure						
General Strength						
Bending strength						
Dynamic bending strength						
Compression strength						
Shear strength						
Splitting strength						
Screw holding strength						
Brinell Hardness						
Permeability (for water-based finish and glues)						
Thermal conductivity						
Fire resistance						
Resistance to insect attack						
Resistance to termites						
Rot resistance						
Non-structural Ground contact						
Treatment of thick material (8/4)						
APPLICATIONS: Decking, boardwalks						
Siding						
Structural Furniture	Γ					
Non-Structural Furniture	L					
Landscape design						
Flooring						
Flooring for high humidity						
areas (bathrooms, pool areas) Sinks, wash-bowls	Γ					
II JIIIKS. WASII-DUWIS	I			I		

THERMO-TREATED ASH (MEDIUM)								
	OOO (very bad)	OO (bad)	O (not OK)	• (OK)	● ● (good)	●●● (excellent)		
Biological Durability								
Dimension Stability								
Weight								
Density								
Openness of grain Structure								
General Strength								
Bending strength								
Dynamic bending strength								
Compression strength								
Shear strength								
Splitting strength								
Screw holding strength								
Brinell Hardness								
Permeability (for water-based finish and glues)								
Thermal conductivity								
Fire resistance								
Resistance to insect attack								
Resistance to termites								
Rot resistance								
Non-structural Ground contact								
Treatment of thick material (8/4)								
APPLICATIONS:						1		
Decking, boardwalks								
Siding								
Structural Furniture								
Non-Structural Furniture								
Landscape design								
Flooring Flooring for high humidity								
areas (bathrooms, pool areas)								
Sinks, wash-bowls								

THERM	IO-TR	EATE	D MAI	PLE (D	ARK))
	OOO (very bad)	OO (bad)	O (not OK)	• (OK)	●● (good)	●●● (excellent)
Richard Durchility	•	,	,		,	
Biological Durability						
Dimension Stability						
Weight						
Density						
Openness of grain Structure						
General Strength						
Bending strength						
Dynamic bending strength						
Compression strength						
Shear strength						
Splitting strength						
Screw holding strength						
Brinell Hardness						
Permeability (for water-based finish and glues)						
Thermal conductivity						
Fire resistance						
Resistance to insect attack						
Resistance to termites						
Rot resistance						
Non-structural Ground contact						
Treatment of thick material (8/4)						-
APPLICATIONS:						1
Decking, boardwalks						
Siding						
Structural Furniture						
Non-Structural Furniture						
Landscape design						
Flooring						
Flooring for high humidity areas (bathrooms, pool areas)						
Sinks, wash-bowls						

THERMO)-TREA	TED	MAPL	E (ME	DIUN	<u>1)</u>
35///	OOO (very bad)	OO (bad)	O (not OK)	• (OK)	● ● (good)	●●● (excellent)
	(very bau)	(bau)	(HOL OK)	(ON)	(9000)	(excellent)
Biological Durability						
Dimension Stability						
Weight						
Density						
Openness of grain Structure						
General Strength						
Bending strength						
Dynamic bending strength						
Compression strength						
Shear strength						
Splitting strength						
Screw holding strength						
Brinell Hardness						
Permeability (for water-based finish and glues)						
Thermal conductivity						
Fire resistance						
Resistance to insect attack						
Resistance to termites						
Rot resistance						
Non-structural Ground contact						
Treatment of thick material (8/4)						
<u>APPLICATIONS:</u>						
Decking, boardwalks						
Siding						
Structural Furniture						
Non-Structural Furniture						
Landscape design						
Flooring						
Flooring for high humidity areas (bathrooms, pool areas)						
Sinks, wash-bowls						

THERM	O-TRI	EATE	POP	LAR (DARK)
	OOO (very bad)	OO (bad)	O (not OK)	• (OK)	● ● (good)	●●● (excellent)
	(very baa)	(buu)	(not only	(Orly	(9000)	(excenent)
Biological Durability						
Dimension Stability						
Weight						
Density					_	
Openness of grain Structure						
General Strength						
Bending strength						
Dynamic bending strength						
Compression strength						
Shear strength						
Splitting strength						
Screw holding strength						
Brinell Hardness						
Permeability (for water-based finish and glues)					_	
Thermal conductivity						
Fire resistance						
Resistance to insect attack						
Resistance to termites						
Rot resistance						
Non-structural Ground contact						
Treatment of thick material (8/4)						
APPLICATIONS:				1		
Decking, boardwalks						ı
Siding						
Structural Furniture						
Non-Structural Furniture						
Landscape design						
Flooring						
Flooring for high humidity areas (bathrooms, pool areas)						
Sinks, wash-bowls						

THERMO-	-TREA	ATED	POPL	AR (M	<u>EDIU</u>	<u>M)</u>
	OOO (very bad)	OO (bad)	O (not OK)	● (OK)	● ● (good)	●●● (excellent)
Biological Durability						
Dimension Stability						
Weight						
Density						
Openness of grain Structure						
General Strength						
Bending strength						
Dynamic bending strength						
Compression strength						
Shear strength			1			
Splitting strength						
Screw holding strength						
Brinell Hardness						
Permeability (for water-based finish and glues)						
Thermal conductivity						
Fire resistance						
Resistance to insect attack						
Resistance to termites						
Rot resistance						
Non-structural Ground contact						
Treatment of thick material (8/4)						
APPLICATIONS:						1
Decking, boardwalks						
Siding						
Structural Furniture						
Non-Structural Furniture						
Landscape design						
Flooring						
Flooring for high humidity areas (bathrooms, pool areas)						
Sinks, wash-bowls						I