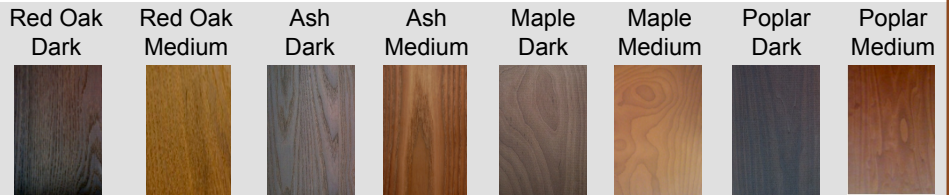


THERMO-TREATED SPECIES PROPERTIES

Compare to non-treated specie:

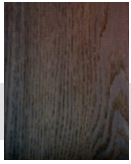
- - excellent
- - good
- - OK
- - not OK
- - bad
- - very bad



	Red Oak Dark	Red Oak Medium	Ash Dark	Ash Medium	Maple Dark	Maple Medium	Poplar Dark	Poplar Medium
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	○○○	○○	○○	○	○○	○	○○○	○○
Non-Structural Furniture	●●	●●●	●●●	●●●	●●●	●●●	●●	●●●
Landscape design	●●	●●●	●●●	●●●	●●●	●●●	●●	●●●
Flooring	●●	●●●	●●●	●●●	●●●	●●●	●●	●●
Flooring for high humidity areas (bathrooms, pool areas)	●●	●●●	●●●	●●●	●●●	●●●	●●	●●●
Sinks, wash-bowls	○○	○	○○	○	●●●	●●●	●●	●●



THERMO-TREATED RED OAK (DARK)

○○○ (very bad) ○○ (bad) ○ (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

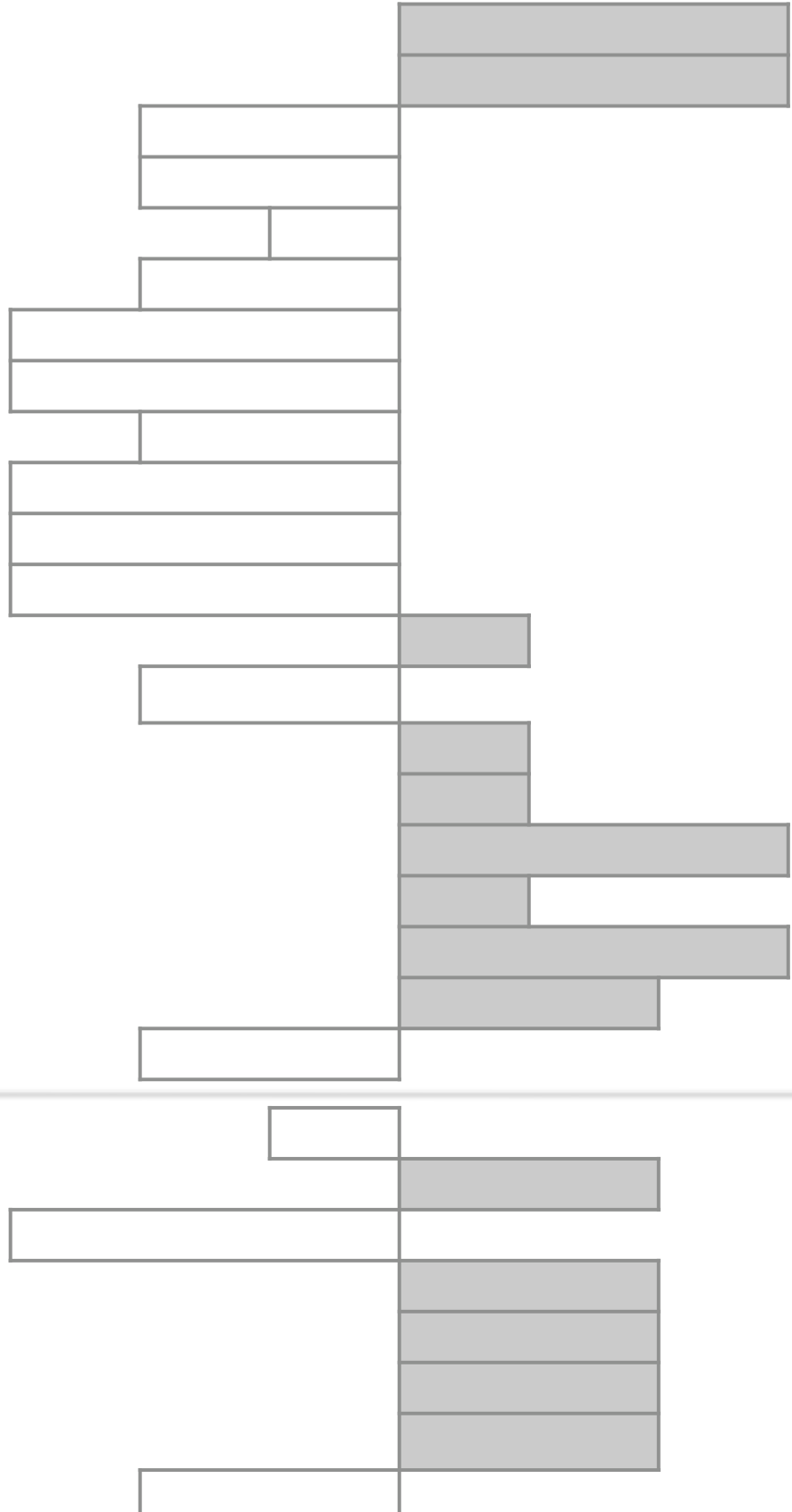
Non-Structural Furniture

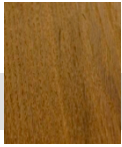
Landscape design

Flooring

Flooring for high humidity areas (bathrooms, pool areas)

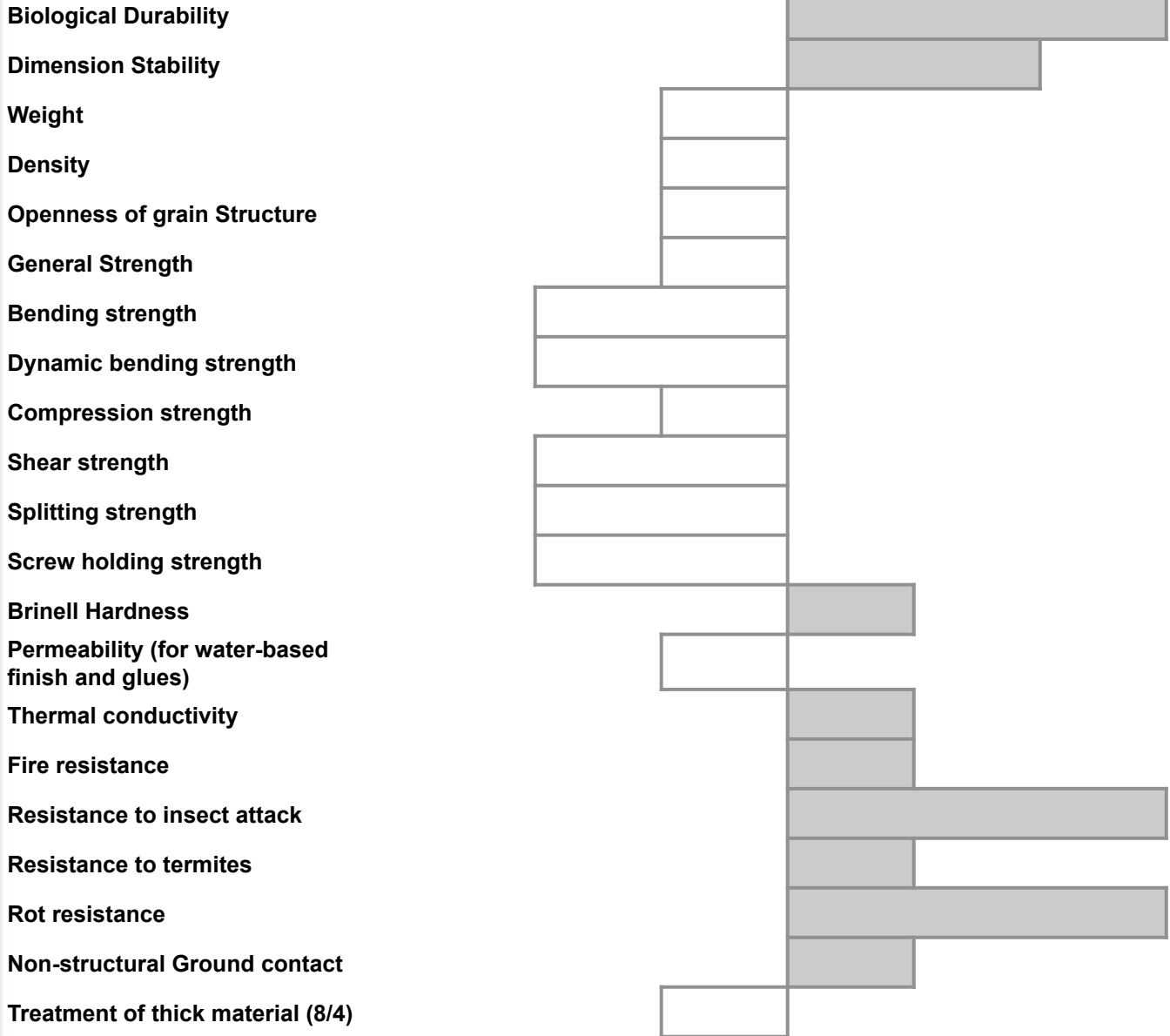
Sinks, wash-bowls



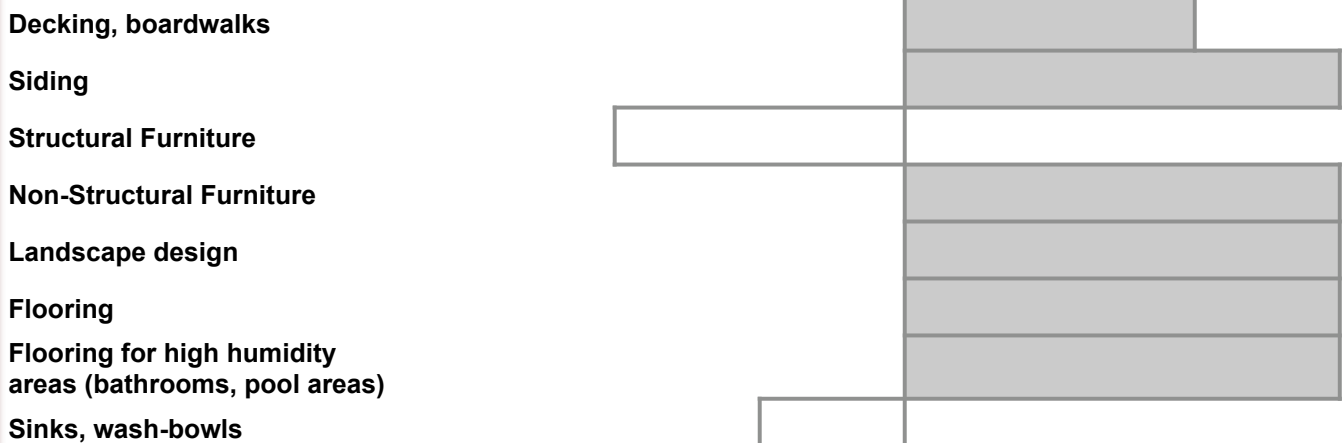


THERMO-TREATED RED OAK (MEDIUM)

○○○ (very bad) ○○ (bad) ○ (not OK) ● (OK) ●● (good) ●●● (excellent)



APPLICATIONS:





THERMO-TREATED ASH (DARK)

○○○
(very bad)

○○
(bad)

○
(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

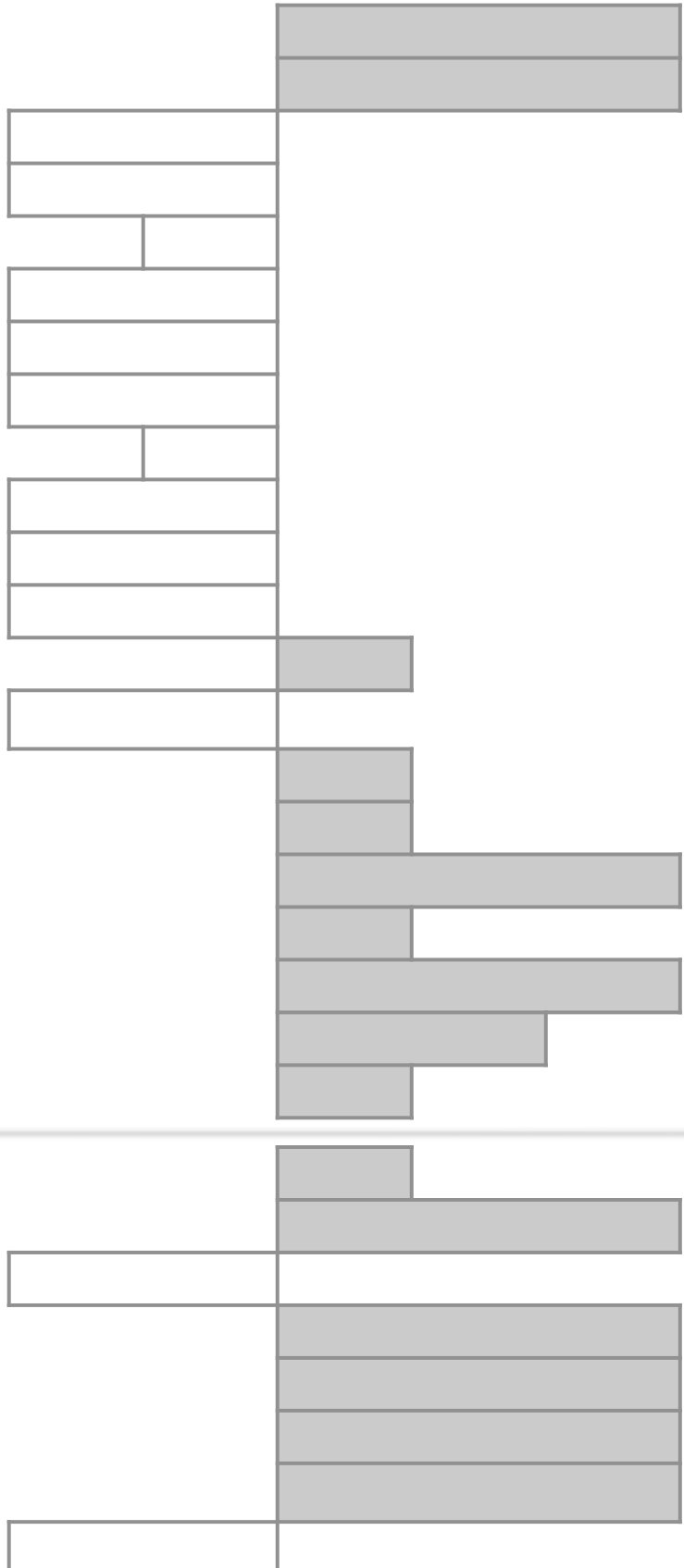
Non-Structural Furniture

Landscape design

Flooring

Flooring for high humidity areas (bathrooms, pool areas)

Sinks, wash-bowls





THERMO-TREATED ASH (MEDIUM)

○○○ (very bad) ○○ (bad) ○ (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

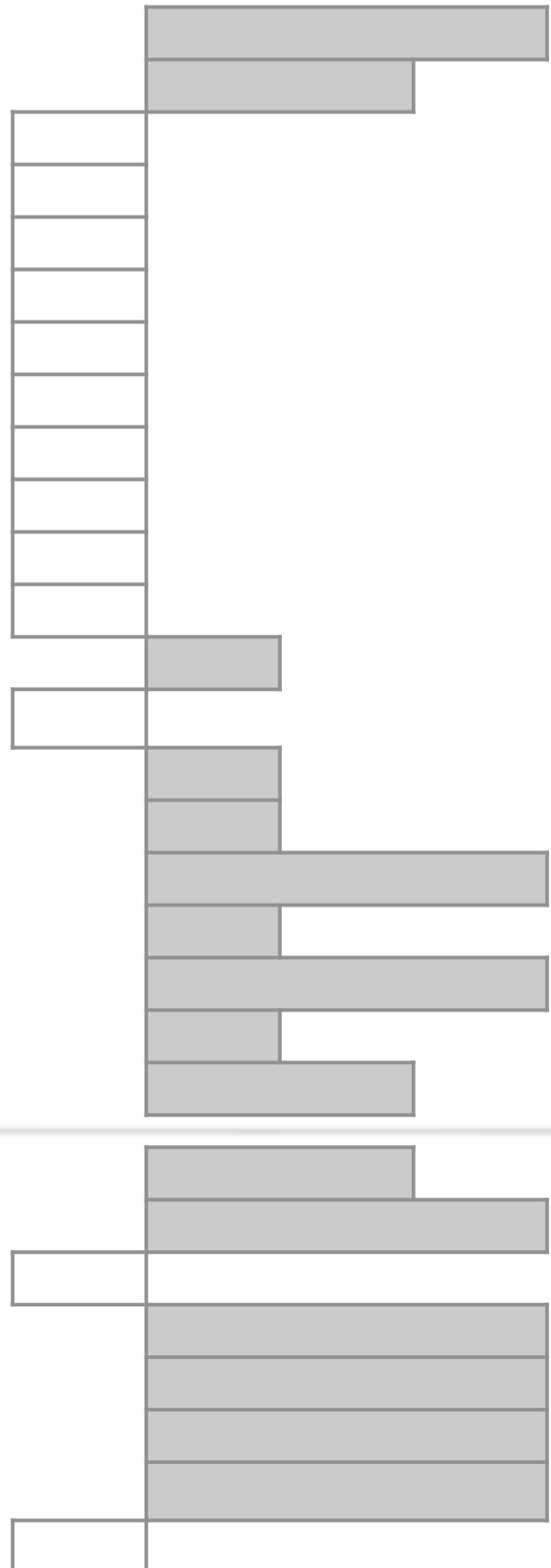
Non-Structural Furniture

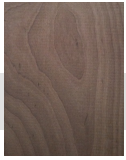
Landscape design

Flooring

Flooring for high humidity areas (bathrooms, pool areas)

Sinks, wash-bowls





THERMO-TREATED MAPLE (DARK)

○○○
(very bad)

○○
(bad)

○
(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

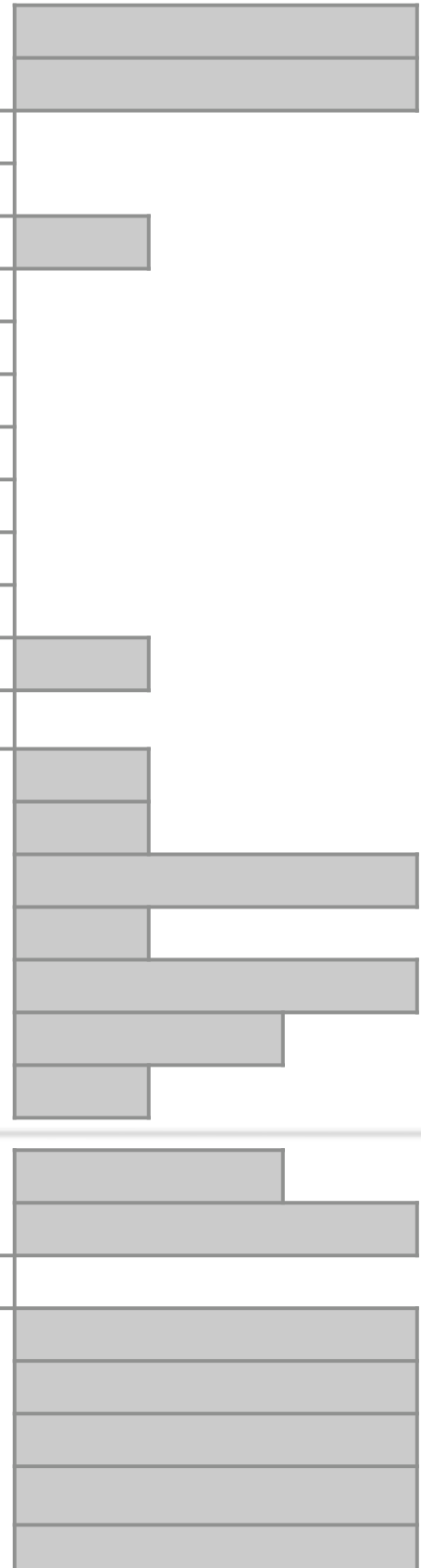
Non-Structural Furniture

Landscape design

Flooring

Flooring for high humidity areas (bathrooms, pool areas)

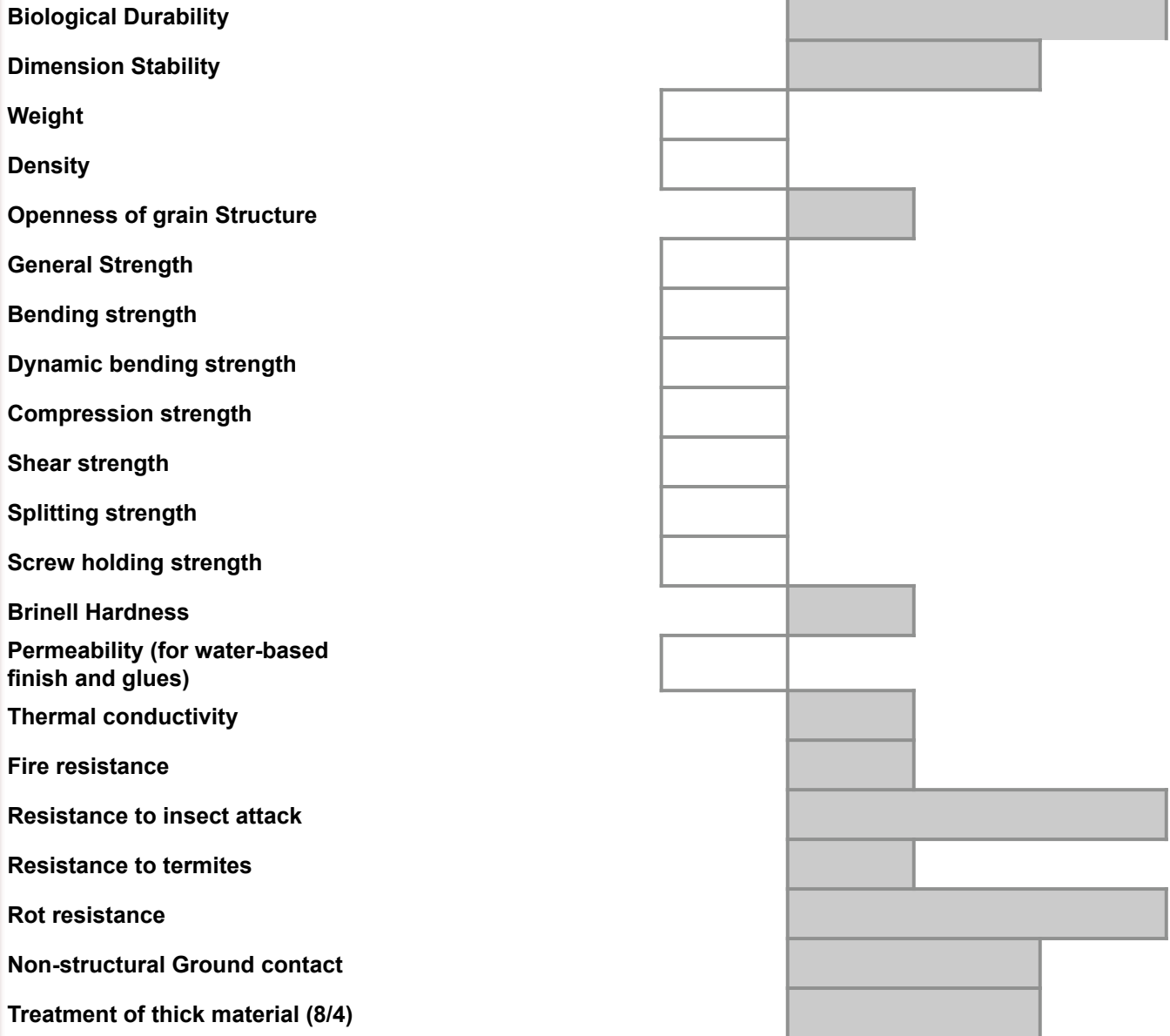
Sinks, wash-bowls





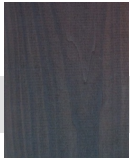
THERMO-TREATED MAPLE (MEDIUM)

○○○ (very bad) ○○ (bad) ○ (not OK) ● (OK) ●● (good) ●●● (excellent)



APPLICATIONS:





THERMO-TREATED POPLAR (DARK)

○○○ (very bad) ○○ (bad) ○ (not OK) ● (OK) ●● (good) ●●● (excellent)

Property	Rating
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	○
Non-Structural Furniture	●●
Landscape design	●●
Flooring	●●
Flooring for high humidity areas (bathrooms, pool areas)	●●
Sinks, wash-bowls	●●



THERMO-TREATED POPLAR (MEDIUM)

○○○ (very bad) ○○ (bad) ○ (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)					●●
<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					●●