

CROWN XCL

XTERIOR COMPACT LAMINATES





Elegance
Meets
Durability.



CrownXCL is an innovative and versatile facade cladding solution that improves the look, performance, and longevity of any building.

CrownXCL is produced in a thermosetting press at high temperatures and pressures; additional double-hardened acrylic PUR resins further increase the durability of the panels. As a result, CrownXCL panels are extremely

durable and protect effectively against weather and UV radiation. CrownXCL conforms to North American fire standards and is impact and scratch resistant. This durability allows CrownXCL to be used in a variety of exterior

applications such as facade cladding, balconies, outdoor furniture, ceilings, fences, and more. CrownXCL panels are easy to machine, install, and maintain and offer a wide range of decorative possibilities.



Fire
Resistant



Easy to Install



Easy to Clean



Impact
Resistant



Double
Hardened



Anti-graffiti



UV Protected



Waterproof
and weather
resistant



Scratch
Resistant



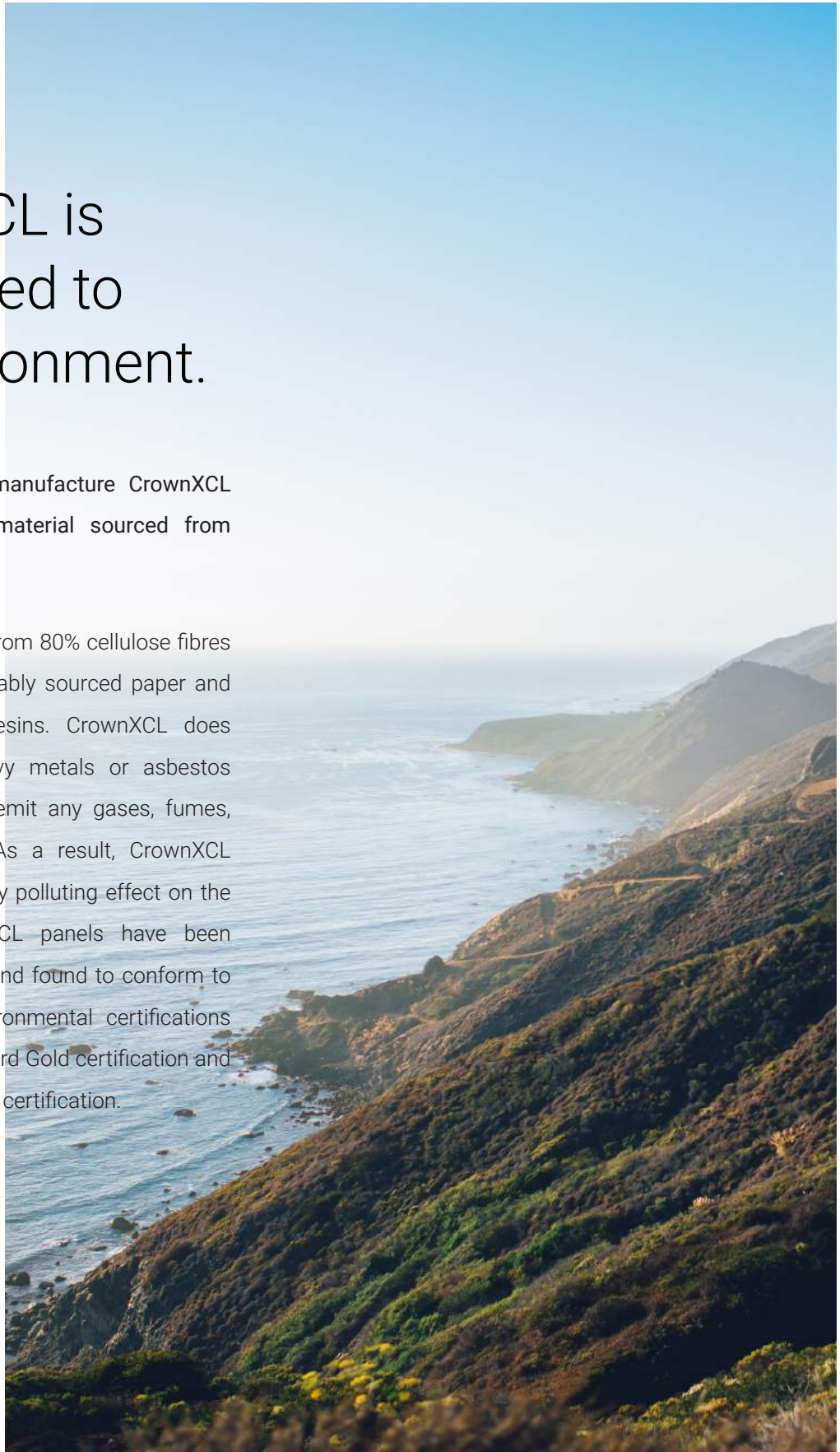
Improves Sound
Insulation



CrownXCL is committed to the environment.

The paper used to manufacture CrownXCL is made from raw material sourced from sustainable forests.

Our panels are made from 80% cellulose fibres obtained from sustainably sourced paper and 20% thermosetting resins. CrownXCL does not contain any heavy metals or asbestos and hence does not emit any gases, fumes, solvents, or liquids. As a result, CrownXCL panels do not have any polluting effect on the environment. CrownXCL panels have been independently tested and found to conform to multiple existing environmental certifications including the Greenguard Gold certification and the Intertek Green Leaf certification.



Sizing

SIZING *

A 1220 x 2440 mm
4' x 8'

B 1220 x 3050 mm
4' x 10'

C 1300 x 3050 mm
4'3" x 10'

D 1840 x 3670 mm
6' x 12'

THICKNESS *

6, 8, 10, or 13 mm
1/4", 5/16", 3/8", or 1/2"

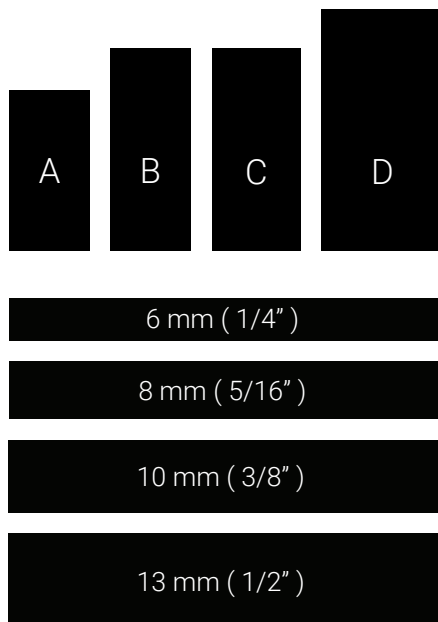
DECOR

Double-sided Decor

FINISH

Suede Finish

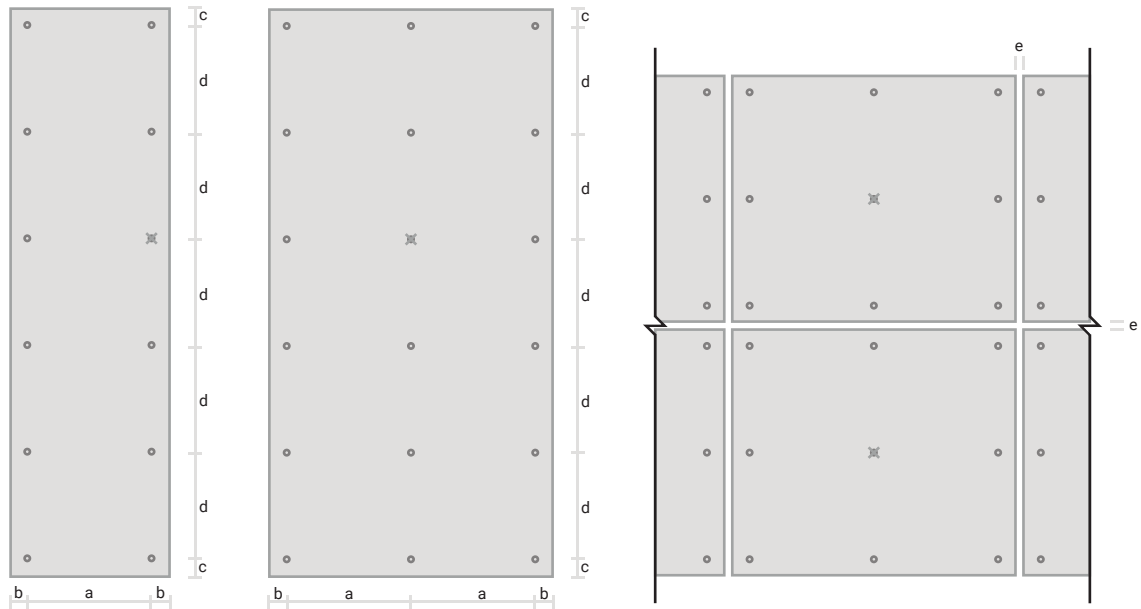
Note: Custom finishes
available upon request.



* Nominal



Spacing



✕ Represents a fixed point.

The diagrams above show the optimal space between fasteners and the edge of the panel. It also displays the optimal spacing between individual panels. These are guidelines and can be altered appropriately depending on the project.

Panel Thickness *	Maximum Fastener Spacing (a) *	Minimum Edge Distance (b, c) *	Maximum Fastener Spacing (d) *	Expansion Joint (e) *
6 mm 1/4"	450 mm 18"	50, 20 mm 2", 13/16"	550 mm 21 1/2"	6-10 mm 1/4" - 3/8"
8 mm 5/16"	600 mm 23 1/2"	50, 20 mm 2", 13/16"	750 mm 29 1/2"	6-10 mm 1/4" - 3/8"
10 mm 3/8"	750 mm 29 1/2"	50, 20 mm 2", 13/16"	900 mm 35 1/2"	6-10 mm 1/4" - 3/8"

* Nominal

Performance



Properties

Properties	Standard Value	CrownXCL Value
Apparent Density	1.35 g/cm ³	1.45 g/cm ³
Flexural Strength	80 N/mm ²	114 N/mm ²
Modulus of elasticity	9000 N/mm ²	13966 N/mm ²
Tensile Strength	60 N/mm ²	66 N/mm ²
Dimensional stability at elevated temperatures	Lengthwise: 0.40% Crosswise: 0.80%	Lengthwise: 0.25% Crosswise: 0.40%
Artificial weathering	Grey scale: Rating 3 Appearance: Rating 4	Grey scale: Rating 4 Appearance: Rating 4
UV-light resistance	Grey scale: Rating 3 Appearance: Rating 4	Grey scale: Rating 4 Appearance: Rating 4

Fire Behaviour

Valid in	Test Method	CrownXCL Value
Canada	CAN/ULC S134	Passed
Europe	CSN EN 13501-1+A1	B-s1, d0 (Passed)
USA	NFPA 285	Passed
Canada + USA	ASTM E 84	Flame Spread Index: 10 Smoke Developed: 0

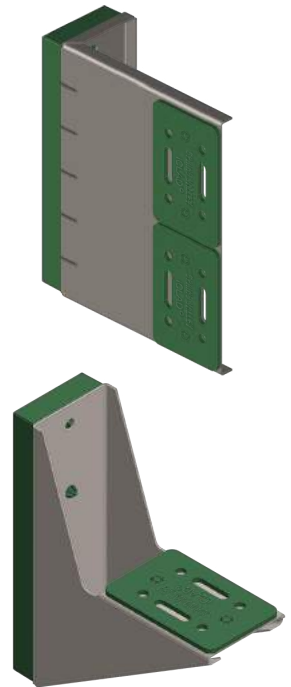
For a complete list of tests and certifications, visit our website at www.springvalleycorp.com.

Installation Systems

iCLAD by Spring Valley

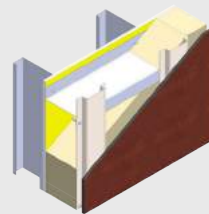
iCLAD is a thermally broken, ventilated rainscreen system that provides maximum efficiency at cost savings compared to alternatives. iCLAD prevents thermal bridging caused by other installation systems. This lessens the environmental impact of the building and can provide significant heating and cooling cost savings. iCLAD provides ventilation behind the panel, which prevents moisture buildup and increases the longevity of CrownXCL panels. CrownXCL performs best when installed with the iCLAD ventilated rainscreen cladding system.

For more information about the iCLAD ventilated rainscreen system, visit our website at www.springvalleycorp.com.

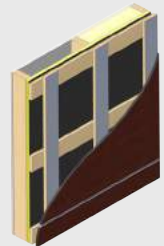


Alternate Systems

While CrownXCL performs best when installed with iCLAD's ventilated rainscreen system, other installation techniques can be used. For more information regarding alternate installation methods, contact us or visit our website at www.springvalleycorp.com.



**Standard
Metal Substructure**



**Face Fastened
Wood Studs**

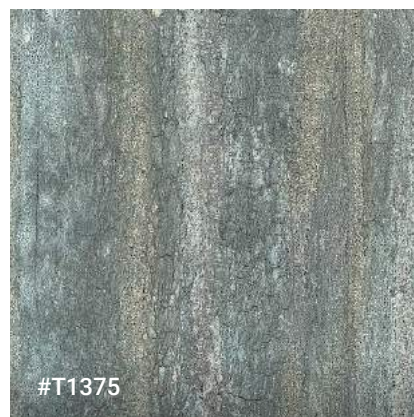
Solid Colors

#C851XL	#C856XL	#C13	#C611X
#C17XL	#C855XL	#C608X	#C860XL
#C10X	#C610X	#C603XL	#C604XL
#C871XL	#T230	#T229	#C23X
#T221	#T220	#T155	#C19
#T1103	#C864XL	#T1107	#C872XL
#T187	#T218	#T214	#T216
#T201	#C867XL	#T212	#T232
#T217	#T1127	#T227	#C865XL
#T222	#T224	#C869XL	#C609X
#C605X	#T236	#C606X	#C11XL

For sizing availability, contact Spring Valley or visit our website at www.springvalleycorp.com.

Due to limitations of the print process, color reproduction may not be accurate and review of a physical sample is recommended before finalizing color selection.

Wood Grains and Textures





#T1475



#T1476



#T1477



#C636X



#C637X



#T1398



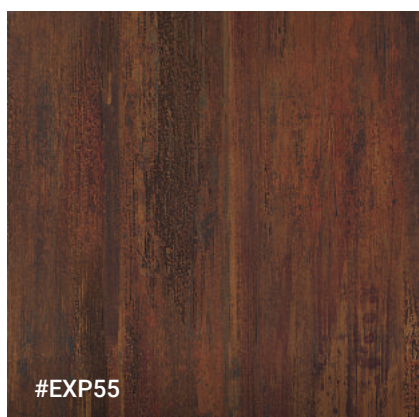
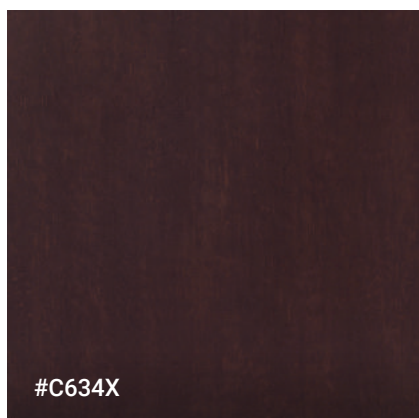
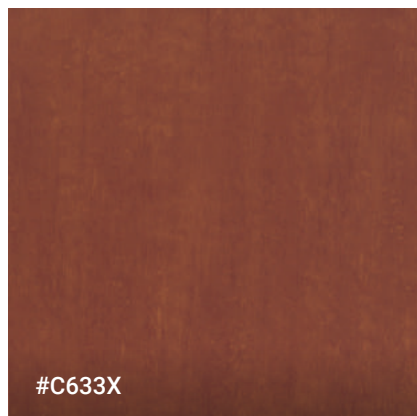
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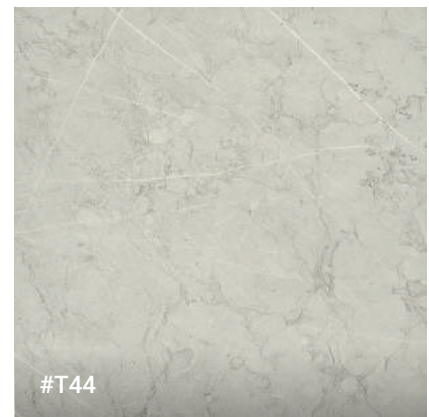


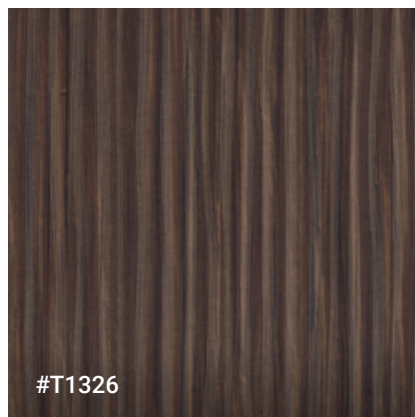
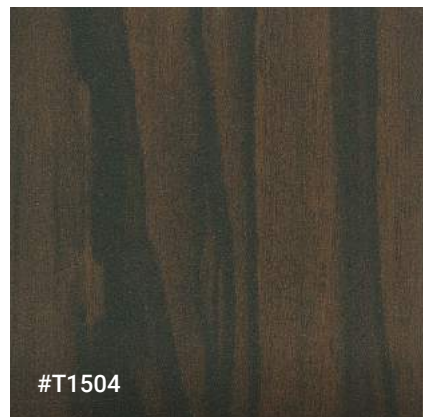
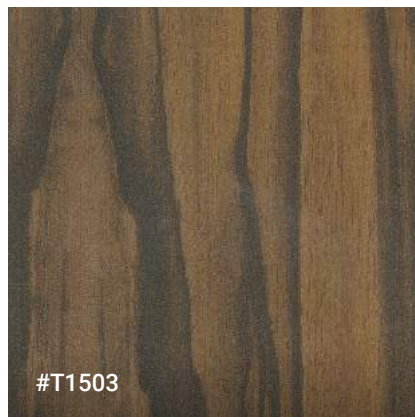
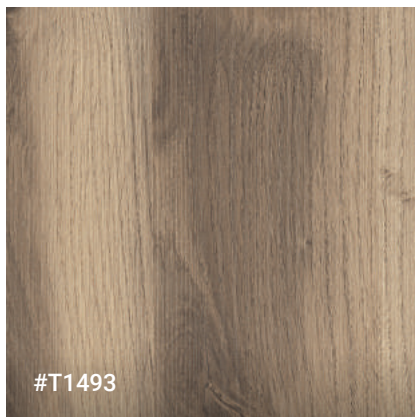
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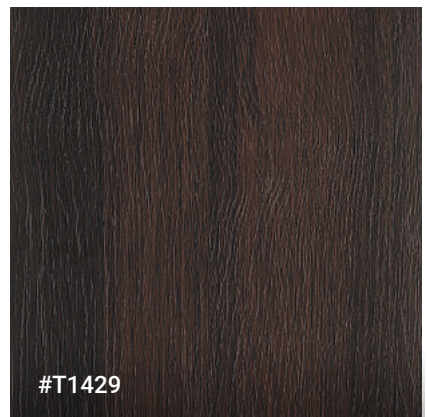
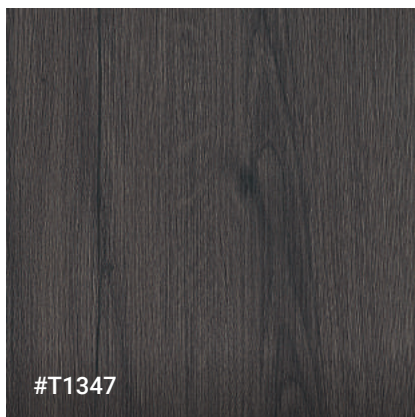
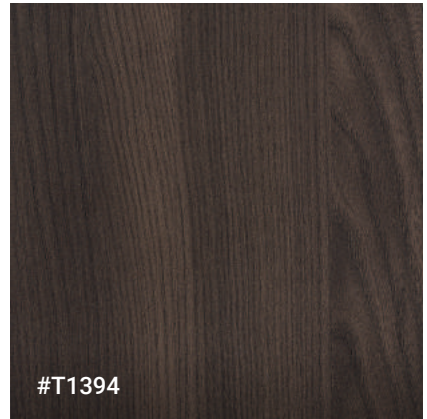
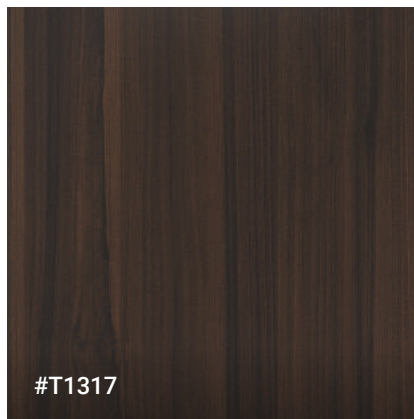
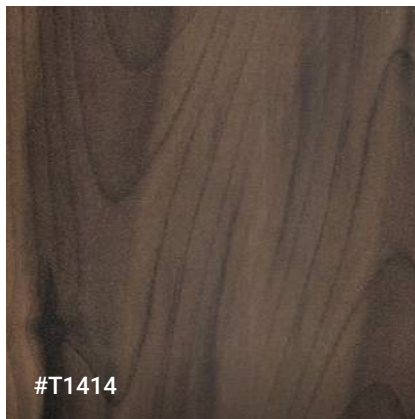


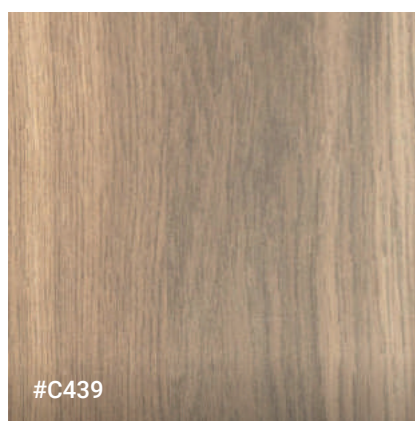
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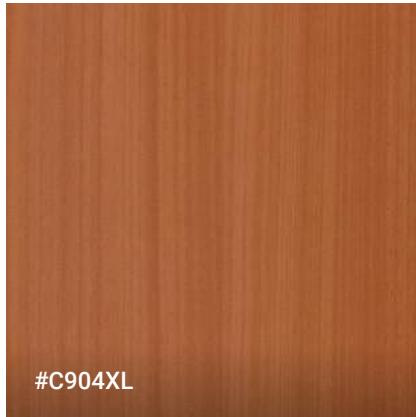












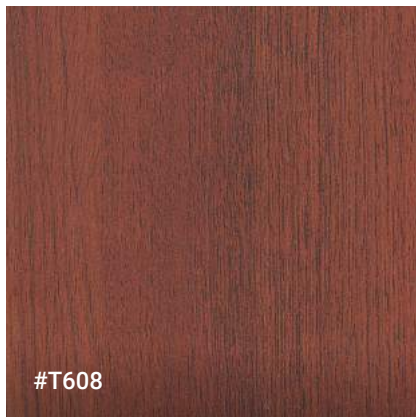
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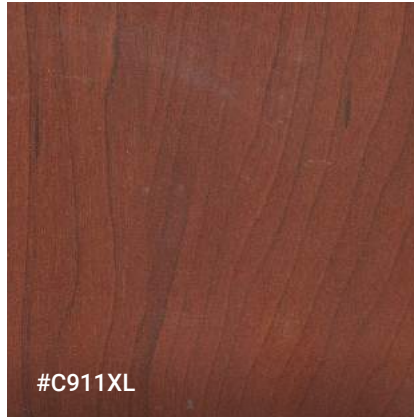
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#C35



#T608



#C911XL



#T896XL



#T1407



#T1345



#T1314

