3.0 Sawn Products – UC1

Use Category 1: Above ground, interior construction, dry

Preservative retentions pcf (as active ingredients unless otherwise specified)

pcf (English units)		Pines				Spruce											
Preservative		Southern Mixed Southern Radiata, Patula Caribbean	Ponderosa Red Eastern White	Scots Pine-Ger Scots Pine-Swe	Jack Lodgepole	Western White Engelmann Sitka Spruce	Spruce-Pine-Fir West Spruce Pine Fir	Coastal Douglas-fir[a]	Hem-fir Hem-fir North Eastern Hemlock Subalpine Fir	Western Redcedar Alaska Yellow Cedar Incense Cedar Redwood	White Oak	Red Oak[b]		Maple	Black & Red Gum
ACC[c]		0.25	0.25	0.25	0.25	0.25	#	0.25	0.25	0.25	0.25	0.25		#	0.25
ACQ-A[c]		0.15	0.15	0.15	0.15	#	#	0.15	0.15	#	#	#		#	#
ACQ-B[c]		0.25	0.25	#	#	0.25	#	0.25	0.25	0.25	#	#		#	#
ACQ-C[c]		0.25	0.25	#	0.25	#	0.25	0.25	0.25	#	#	#		#	#
ACQ-D[c]		0.15	0.15	0.15	0.15	#	#	0.15	0.15	#	#	#		#	#
ACZA[c]		0.25	0.25	#	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		#	0.25
CA-B[c]		0.10	0.10	0.10	#	#	#	0.10	0.10	#	#	#		#	#
CA-C[c]		0.060	0.060	0.060	#	#	#	0.060	0.060	#	#	#		#	#
CDDC		0.10	#	#	#	#	#	#	#	0.10	#	#		#	#
Cu8		0.020	0.020	#	#	#	#	#	0.020	0.020	#	#		#	#
CuN-W[c]		0.070	0.070	0.070	0.070	#	#	0.070	0.070	#	#	#		#	#
CX-A[c]		0.206	0.206	0.206	#	#	#	0.206	0.206	#	#	#		#	#
EL2[c] (+MCS at 0.20 pcf)		0.019	0.019	#	#	#	#	0.019	0.019	#	#	#		#	#
KDS[c]		0.19	0.19	0.19	#	#	#	0.19	0.19	#	#	#		#	#
PTI[c]		0.013	0.013	#	#	#	#	0.013	0.013	#	#	#		#	#
SBX	Non-Formosan	0.17	0.17	#	0.17	0.17	0.17	0.17	0.17	#	#	#		#	#
	Formosan[c]	0.28	0.28	#	0.28	0.28	0.28	0.28	0.28	#	#	#		#	#
Preservatives Not Recommended for Interior-Residential Uses												<5"	≥5"		
CR (as solution)		8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	10.0	6.0
CR-S (as solution)		8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	#	6.0
CR-PS (as solution)		8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	#	6.0
CuN (as Cu metal)[c]		0.040	0.040	#	#	0.040	#	0.040	0.040	0.040	#	#	#	#	#
PCP-A		0.40	0.40	#	0.40	0.40	#	0.40	0.40	0.40	R	0.30	0.25	#	0.30
PCP-C		0.40	0.40	#	0.40	0.40	#	0.40	0.40	0.40	R	0.30	0.25	#	0.30

= Either no proposal for standardization and/or data demonstrating efficacy of a preservative/species combination has been submitted to AWPA; or the use of the preservative/species combination has been proven ineffective.

R = Treatment to Refusal

a) Coastal Douglas-fir from a few geographical areas has been found suitable for treatment with ACC or CCA. However, it is generally recognized that most sawn products from Coastal Douglas-fir are extremely difficult to treat with the preservatives ACC and CCA to meet the penetration and retention requirements of this Standard even when incised.

b) Where two retentions are included, these are for commodities less than 5" thick or 5" and thicker as indicated.

c) Retentions are suitable for exposure in areas subject to Formosan subterranean termite activity.

3.0 Sawn Products – UC2

Use Category 2: Above ground, interior construction, damp

Preservative retentions pcf (as active ingredients unless otherwise specified)

pcf (English units)	Pines				Spruce									
Preservative	Southern Mixed Southern Radiata, Patula Caribbean	Ponderosa Red Eastern White	Scots Pine-Ger Scots Pine-Swe	Jack Lodgepole	Western White Engelmann Sitka Spruce	Spruce-Pine-Fir West Spruce Pine Fir	Coastal Douglas-fir[a]	Hem-fir Hem-fir North Eastern Hemlock Subalpine Fir	Western Redcedar Alaska Yellow Cedar Incense Cedar Redwood	White Oak	Red Oak[b]		Maple	Black & Red Gum
											<5"	≥5"		
ACC[c]	0.25	0.25	0.25	0.25	0.25	#	0.25	0.25	0.25	0.25	0.25		#	0.25
ACQ-A[c]	0.15	0.15	0.15	0.15	#	#	0.15	0.15	#	#	#		#	#
ACQ-B[c]	0.25	0.25	#	#	0.25	#	0.25	0.25	0.25	#	#		#	#
ACQ-C[c]	0.25	0.25	#	0.25	#	0.25	0.25	0.25	#	#	#		#	#
ACQ-D[c]	0.15	0.15	0.15	0.15	#	#	0.15	0.15	#	#	#		#	#
ACZA[c]	0.25	0.25	#	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		#	0.25
CA-B[c]	0.10	0.10	0.10	#	#	#	0.10	0.10	#	#	#		#	#
CA-C[c]	0.060	0.060	0.060	#	#	#	0.060	0.060	#	#	#		#	#
CDDC	0.10	#	#	#	#	#	#	#	0.10	#	#		#	#
Cu8	0.020	0.020	#	#	#	#	#	0.020	0.020	#	#		#	#
CuN-W[c]	0.070	0.070	0.070	0.070	#	#	0.070	0.070	#	#	#		#	#
CX-A[c]	0.206	0.206	0.206	#	#	#	0.206	0.206	#	#	#		#	#
EL2[c] (+MCS at 0.20 pcf)	0.019	0.019	#	#	#	#	0.019	0.019	#	#	#		#	#
KDS[c]	0.19	0.19	0.19	#	#	#	0.19	0.19	#	#	#		#	#
PTI[c]	0.013	0.013	#	#	#	#	0.013	0.013	#	#	#		#	#
SBX Non-Formosan	0.17	0.17	#	0.17	0.17	0.17	0.17	0.17	#	#	#		#	#
SBX Formosan[c]	0.28	0.28	#	0.28	0.28	0.28	0.28	0.28	#	#	#		#	#
Preservatives Not Recommended for Interior-Residential Uses											<5"	≥5"		
CR (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	10.0	6.0
CR-S (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	#	6.0
CR-PS (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	#	6.0
CuN (as Cu metal)[c]	0.040	0.040	#	#	0.040	#	0.040	0.040	0.040	#	#	#	#	#
PCP-A	0.40	0.40	#	0.40	0.40	#	0.40	0.40	0.40	R	0.30	0.25	#	0.30
PCP-C	0.40	0.40	#	0.40	0.40	#	0.40	0.40	0.40	R	0.30	0.25	#	0.30

= Either no proposal for standardization and/or data demonstrating efficacy of a preservative/species combination has been submitted to AWPA; or the use of the preservative/species combination has been proven ineffective.

R = Treatment to Refusal

a) Coastal Douglas-fir from a few geographical areas has been found suitable for treatment with ACC or CCA. However, it is generally recognized that most sawn products from Coastal Douglas-fir are extremely difficult to treat with the preservatives ACC and CCA to meet the penetration and retention requirements of this Standard even when incised.

b) Where two retentions are included, these are for commodities less than 5" thick or 5" and thicker as indicated.

c) Retentions are suitable for exposure in areas subject to Formosan subterranean termite activity.

3.0 Sawn Products – UC3A

Use Category 3A (Above ground, exterior, coated and rapid water run-off)

Preservative retentions pcf (as active ingredients unless otherwise specified)

pcf (English units)	Pines				Spruce										
Preservative	Southern Mixed Southern Radiata, Patula Caribbean	Ponderosa Red Eastern White	Scots Pine-Ger Scots Pine-Swe	Jack Lodgepole	Western White Engelmann Sitka Spruce	Spruce-Pine-Fir West	Coastal Douglas-fir[a]	Hem-fir Hem-fir North Eastern Hemlock Subalpine Fir	Western Redcedar Alaska Yellow Cedar Incense Cedar Redwood	White Oak	Red Oak[b] <5"	Red Oak[b] ≥5"	Maple	Black & Red Gum
CR (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	10.0	6.0
CR-S (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	#	6.0
CR-PS (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	#	6.0
Cu8	0.020	0.020	#	#	#	#	#	0.020	0.020	#	#	#	#	#
CuN (as Cu metal)[c]	0.040	0.040	#	#	0.040	#	0.040	0.040	0.040	#	#	#	#	#
PCP-A	0.40	0.40	#	0.40	0.40	#	0.40	0.40	0.40	R	0.30	0.25	#	0.30
PCP-C	0.40	0.40	#	0.40	0.40	#	0.40	0.40	0.40	R	0.30	0.25	#	0.30
ACC[c]	0.25	0.25	0.25	0.25	0.25	#	0.25	0.25	0.25	0.25	0.25		#	0.25
ACQ-A[c]	0.15	0.15	0.15	0.15	#	#	0.15	0.15	#	#	#		#	#
ACQ-B[c]	0.25	0.25	#	#	0.25	#	0.25	0.25	0.25	#	#		#	#
ACQ-C[c]	0.25	0.25	#	0.25	#	0.25	0.25	0.25	#	#	#		#	#
ACQ-D[c]	0.15	0.15	0.15	0.15	#	#	0.15	0.15	#	#	#		#	#
ACZA[c]	0.25	0.25	#	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		#	0.25
CA-B[c]	0.10	0.10	0.10	#	#	#	0.10	0.10	#	#	#		#	#
CA-C[c]	0.060	0.060	0.060	#	#	#	0.060	0.060	#	#	#		#	#
CDDC	0.10	#	#	#	#	#	#	#	0.10	#	#		#	#
CuN-W[c]	0.070	0.070	0.070	0.070	#	#	0.070	0.070	#	#	#		#	#
CX-A[c]	0.206	0.206	0.206	#	#	#	0.206	0.206	#	#	#		#	#
EL2[c] (+MCS at 0.20 pcf)	0.019	0.019	#	#	#	#	0.019	0.019	#	#	#		#	#
KDS[c]	0.19	0.19	0.19	#	#	#	0.19	0.19	#	#	#		#	#
PTI[c]	0.013	0.013	#	#	#	#	0.013	0.013	#	#	#		#	#

= Either no proposal for standardization and/or data demonstrating efficacy of a preservative/species combination has been submitted to AWPA; or the use of the preservative/species combination has been proven ineffective.

R = Treatment to Refusal

a) Coastal Douglas-fir from a few geographical areas has been found suitable for treatment with ACC or CCA. However, it is generally recognized that most sawn products from Coastal Douglas-fir are extremely difficult to treat with the preservatives ACC and CCA to meet the penetration and retention requirements of this Standard even when incised.

b) Where two retentions are included, these are for commodities less than 5" thick or 5" and thicker as indicated.

c) Retentions are suitable for exposure in areas subject to Formosan subterranean termite activity.

3.0 Sawn Products – UC3B

Use Category 3B (Above ground, exterior, exposed or poor water run-off)

Preservative retentions pcf (as active ingredients unless otherwise specified)

pcf (English units)	Pines				Spruce									
Preservative	Southern Mixed Southern Radiata, Patula Caribbean	Ponderosa Red Eastern White	Scots Pine-Ger Scots Pine-Swe	Jack Lodgepole	Western White Engelmann Sitka Spruce	Spruce-Pine-Fir West	Coastal Douglas-fir[a]	Hem-fir Hem-fir North Eastern Hemlock Subalpine Fir	Western Redcedar Alaska Yellow Cedar Incense Cedar Redwood	White Oak	Red Oak[b] <5"	Red Oak[b] ≥5"	Maple	Black & Red Gum
CR (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	10.0	6.0
CR-S (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	#	6.0
CR-PS (as solution)	8.0	8.0	#	8.0	8.0	#	8.0	8.0	8.0	R	6.0	5.0	#	6.0
Cu8	0.020	0.020	#	#	#	#	#	0.020	0.020	#	#	#	#	#
CuN (as Cu metal)[c]	0.040	0.040	#	#	0.040	#	0.040	0.040	0.040	#	#	#	#	#
PCP-A	0.40	0.40	#	0.40	0.40	#	0.40	0.40	0.40	R	0.30	0.25	#	0.30
PCP-C	0.40	0.40	#	0.40	0.40	#	0.40	0.40	0.40	R	0.30	0.25	#	0.30
ACC[c]	0.25	0.25	0.25	0.25	0.25	#	0.25	0.25	0.25	0.25	0.25		#	0.25
ACQ-A[c]	0.15	0.15	0.15	0.15	#	#	0.15	0.15	#	#	#		#	#
ACQ-B[c]	0.25	0.25	#	#	0.25	#	0.25	0.25	0.25	#	#		#	#
ACQ-C[c]	0.25	0.25	#	0.25	#	0.25	0.25	0.25	#	#	#		#	#
ACQ-D[c]	0.15	0.15	0.15	0.15	#	#	0.15	0.15	#	#	#		#	#
ACZA[c]	0.25	0.25	#	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		#	0.25
CA-B[c]	0.10	0.10	0.10	#	#	#	0.10	0.10	#	#	#		#	#
CA-C[c]	0.060	0.060	0.060	#	#	#	0.060	0.060	#	#	#		#	#
CCA[c]	0.25	0.25	#	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		#	0.25
CDDC	0.10	#	#	#	#	#	#	#	0.10	#	#		#	#
CuN-W[c]	0.070	0.070	0.070	0.070	#	#	0.070	0.070	#	#	#		#	#
CX-A[c]	0.206	0.206	0.206	#	#	#	0.206	0.206	#	#	#		#	#
EL2[c] (+MCS at 0.20 pcf)	0.019	0.019	#	#	#	#	0.019	0.019	#	#	#		#	#
KDS[c]	0.19	0.19	0.19	#	#	#	0.19	0.19	#	#	#		#	#
PTI[c]	0.013 +stabilizer[d] or 0.018	0.013 +stabilizer[d] or 0.018	#	#	#	#	0.018	0.018	#	#	#		#	#

= Either no proposal for standardization and/or data demonstrating efficacy of a preservative/species combination has been submitted to AWPA; or the use of the preservative/species combination has been proven ineffective.

R = Treatment to Refusal

a) Coastal Douglas-fir from a few geographical areas has been found suitable for treatment with ACC or CCA. However, it is generally recognized that most sawn products from Coastal Douglas-fir are extremely difficult to treat with the preservatives ACC and CCA to meet the penetration and retention requirements of this Standard even when incised.

b) Where two retentions are included, these are for commodities less than 5" thick or 5" and thicker as indicated.

c) Retentions are suitable for exposure in areas subject to Formosan subterranean termite activity.

d) A stabilizer must be incorporated that meets the requirement for classification as a water repellent in standard E13. The stabilizer must have a minimum 30% solids and be used at a minimum rate of 0.24 pcf.

3.0 Sawn Products – UC4A

Use Category 4A: Ground Contact or Fresh Water

Preservative retentions pcf (as active ingredients unless otherwise specified)

pcf (English units)	Pines				Spruce										
Preservative	Southern Mixed Southern Radiata, Patula Caribbean	Ponderosa Red Eastern White	Scots Pine-Ger Scots Pine-Swe	Jack Lodgepole	Western White Engelmann Sitka Spruce	Spruce-Pine-Fir West	Coastal Douglas-fir[a]	Hem-fir Hem-fir North Eastern Hemlock Subalpine Fir	Redwood	White Oak	Red Oak[b] <5"	Red Oak[b] ≥5"	Maple	Black & Red Gum
CR (as solution)	10.0	10.0	#	10.0	10.0	#	10.0	10.0	10.0	R	7.0	6.0	10.0	8.0
CR-S (as solution)	10.0	10.0	#	10.0	10.0	#	10.0	10.0	10.0	R	7.0	6.0	#	8.0
CR-PS (as solution)	10.0	10.0	#	10.0	10.0	#	10.0	10.0	10.0	R	7.0	6.0	#	8.0
CuN (as Cu metal)[c]	0.060	0.060	#	#	0.060	#	0.060	0.060	0.060	#	#	#	#	#
PCP-A	0.50	0.50	#	0.40	0.40	#	0.40	0.40	0.50	R	0.35	0.30	#	0.40
PCP-C	0.50	0.50	#	0.40	0.40	#	0.40	0.40	0.50	R	0.35	0.35	#	0.40
ACC[c]	0.50	0.50	0.50	0.50	0.50	#	0.50	0.50	0.50	0.50	0.50		#	0.50
ACQ-A[c]	0.40	0.40	0.40	0.40	0.40	#	0.40	0.40	#	#	#		#	#
ACQ-B[c]	0.40	0.40	#	#	0.40	#	0.40	0.40	#	#	#		#	#
ACQ-C[c]	0.40	0.40	#	0.40	#	0.40	0.40	0.40	#	#	#		#	#
ACQ-D[c]	0.40	0.40	0.40	0.40	0.40	#	0.40	0.40	#	#	#		#	#
ACZA[c]	0.40	0.40	#	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		#	0.40
CA-B[c]	0.21	0.21	0.21	#	#	#	0.21	0.21	#	#	#		#	#
CA-C[c]	0.15	0.15	0.15	#	#	#	0.15	0.15	#	#	#		#	#
CCA[c]	0.40	0.40	#	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		#	0.40
CDDC	0.20	#	#	#	#	#	#	#	#	#	#		#	#
CuN-W[c]	0.11	0.11	0.11	0.11	#	#	0.11	0.11	#	#	#		#	#
KDS[c]	0.47	#	#	#	#	#	0.47	0.47	#	#	#		#	#

= Either no proposal for standardization and/or data demonstrating efficacy of a preservative/species combination has been submitted to AWPA; or the use of the preservative/species combination has been proven ineffective.

R = Treatment to Refusal

a) Coastal Douglas-fir from a few geographical areas has been found suitable for treatment with ACC or CCA. However, it is generally recognized that most sawn products from Coastal Douglas-fir are extremely difficult to treat with the preservatives ACC and CCA to meet the penetration and retention requirements of this Standard even when incised.

b) Where two retentions are included, these are for commodities less than 5" thick or 5" and thicker as indicated.

c) Retentions are suitable for exposure in areas subject to Formosan subterranean termite activity.