Project No.: EA16450



Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions

5671 - 70 Street

Edmonton, AB

Canada T6B 3P6

Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Fo	ormulation:	S	upplier:	ENNIS					
White \	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Dry to Touch	Date Sampled	Date Received	Applicator and Location
	2022	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2022	2022	
B1	CPP2107W0801	1.668	76.8	78.4	60.9	3.3	May-4	May-6	EMCON Hwy 630 east of Hwy 824 CMA 9
		T	Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	lpper Limit	1.705	84.8	80.9	63.1				
Lo	ower Limit	1.605	74.8	76.9	59.1				

* Indicates result outside tolerance limits.

Test not Required by AT

PER:

17-May-22

Reviewed By:

Project No.: EA16450



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Technical Standards Branch
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Fo	rmulation:	S	Supplier:	PPG					
White	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Dry to Touch	Date Sampled	Date Received	Applicator and Location
	2022	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2022	2022	
B5	CPP2203W0115	1.619	81.3	79.0	61.2	3.2	Jun-2	Jun-6	AECON Hwy 4 : 04/ 4 : 06
B9	CPP2107W778	1.638	75.2	78.1	60.8	3.0	Jun-7	Jun-8	EMCON Hwy 60 : 02 CMA 11 By JEN Mazurek 780-293-0087
B11	CPP2108W0824	1.623	75.4	78.4	60.7	3.0	Apr-29	Jun-8	Line King West Calgary Ring Road - HWY 1 and Hwy 201
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.705	84.8	80.9	63.1				
1	ower Limit	1.605	74.8	76.9	59.1				

Test not Required by AT	ills.	Λ	1	/		
F	PER:	11	4		21-Jun-22	
	N	V	/		DATE	
	Reviewed By:					

Project No.: EA16450

wood

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
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Fo	rmulation:	S	upplier:	PPG					
White V	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number 2022	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Dry to Touch (Minutes)	Date Sampled 2022	Date Received 2022	Applicator and Location
B19	CPP2205W385	1.592*	76.6	78.6	60.9	3.2	May-5		Aecon Transportation West ltd Hwy 2A: 06/552 : 02
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits	± 0.05	± 5	± 2% absolute	± 2% absolute				
U	pper Limit	1.705	84.8	80.9	63.1				
Lo	ower Limit	1.605	74.8	76.9	59.1				

" indicates result outside tolera	nce limits.	
Test not Required by AT		1
	PER:	18-Jun-22
		DATE
	Reviewed By:	

Project No.: EA16450

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To: Alberta Transportation Technical Standards Branch 2nd Floor, Twin Atria Building 4999 - 98 Ave Edmonton, AB T6B 2X3

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Edmonton, AB Canada T6B 3P6 Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Fo	Formulation:		upplier:	PPG					
White	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number 2022	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Dry to Touch (Minutes)	Date Sampled 2022	Date Received 2022	Applicator and Location
B27	CPP2205W0385	1.632	77.0	77.6	60.9	3.5	Jul-8	Jul-11	Line West Hwy 2 Slave Lake , AB Con# 0020860
B29	CPP2205W0385	1.609	76.6	76.9	58.8	3.1	Jul-6	Jul-11	Line West Hwy 43 : 04 From 2:15 E Hwy 2 & Hwy 43 To 33: 507 E Hwy43 & Hwy 733/670
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits	. 0.05		± 2%	± 2%				
	Jpper Limit	± 0.05 1.705	± 5 84.8	absolute 80.9	absolute 63.1				
<u> </u>	ower Limit	1.605	74.8	76.9	59.1				

* Indicates result outside tolerance limits. Test not Required by AT

26-Jul-22

DATE

Reviewed By:

Reporting of these results constitutes a testing service only.

Engineering Interpretation or evaluation of the test results is provided only on written request.

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Fo	Formulation:		upplier:	PPG					
White	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Dry to Touch	Date Sampled	Date Received	Applicator and Location
	2022	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2022	2022	
B43	CPP2205W0385	1.680	78.4	78.9	61.1	2.9	Jul-20	Jul-25	Line West Hwy 2A: 08 Con#20720
			Toleranc	e Limits		,			
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	Jpper Limit	1.705	84.8	80.9	63.1				
L	ower Limit	1.605	74.8	76.9	59.1				

Test not Required by AT	ince limits.	111	
. ,	PER:	14	15-Aug-22
	Reviewed By:	VVJ	DATE
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Project No.: EA16450



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Technical Standards Branch
2nd Floor, Twin Atria Building
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Edmonton, AB T6B 2X3

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Edmonton AB

Edmonton, AB
Canada T6B 3P6
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Fax +1 (780) 377-3599

Fo	ormulation:	S	upplier:	PPG					
White	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Dry to Touch	Date Sampled		Applicator and Location
	2022	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2022	2022	
B49	CPP2105W0424	1.628	78.2	78.9	61.6	3.1	Jul-27	Jul-29	Lafrentz Hwy 36: 14 Con# 21920
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.705	84.8	80.9	63.1	ř			
L	ower Limit	1.605	74.8	76.9	59.1				

Test not Required by AT	ce limits.	111		-
	PER:			3-Aug-22
	Reviewed By:	W	DAT .	E

Project No.: EA16450

wood.

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions

5671 - 70 Street Edmonton, AB Canada T6B 3P6 Tel +1 (780) 436-2152 Fax +1 (780) 377-3599

Fo	ormulation:	S	upplier:	PPG					
White	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number 2022	Relative Density (25/25°C)	Viscosity	Non- Volatile Content	Pigment Content	Dry to Touch	Date Sampled	Date Received	Applicator and Location
DEZ		<u> </u>	(Krebs)	(%)	(%)	(Minutes)	2022	2022	
B57	CPP2205W0385	1.612	74.9	77.3	60.5	3.3	May-5	Aug-11	Ledcor Hwy 28A : 03: 04: 02 Con# 12378
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	Jpper Limit	1.705	84.8	80.9	63.1				
L	.cwer Limit	1.605	74.8	76.9	59.1				

* Indicates result outside tolerance i	imits.	i i
Test not Required by AT		11/
	PER:	30-Aug-22
		DATE
	Reviewed By:	
	· ·	

Project No.: EA16450



Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation Technical Standards Branch 2nd Floor, Twin Atria Building 4999 - 98 Ave

Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions 5671 - 70 Street

5671 - 70 Street Edmonton, AB Canada T6B 3P6 Tel +1 (780) 436-2152 Fax +1 (780) 377-3599

Fo	ormulation:	S	upplier:	PPG					
White	White WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Dry to Touch	Date Sampled	Date Received	Applicator and Location
	2022	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2022	2022	
B61	CPP2107W0740	1.666	87.4	80.0	62.1	3.3	Aug-11	Aug-12	Lafrentz Hwy 56 : 14
B63	CPP2207W0727	1.609	68.6*	76.7	59.1	3.1	Aug-16	Aug-24	South Calgary From Km 1.773 To Km 4.557/4.8842 Con#18602
B65	CPP2206W0658	1.652	78.0	78.2	61.3	2.9	Aug-21	Aug-25	AAA Striping Hwy 771 : 06
B71	CPP2207W0727	1.565*	66.3*	74.9*	58.0*	3.2	Aug-18	Aug-30	Line West Hwy 899 : 06 Con#12886
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.705	84.8	80.9	63.1				
LL	ower Limit	1.605	74.8	76.9	59.1				

* Indicates result outside tolerance limits.

Test not Required by AT

PER:

12-Sep-22

DATE

Reviewed By:

Project No.: EA16450

wood.

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
Edmorton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions

5671 - 70 Street Edmonton, AB

Canada T6B 3P6 Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Formulation:		upplier:	PPG					
WB EF-61-0035		Tests R	equired					
Batch Number 202 2	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Dry to Touch (Minutes)	Date Sampled 2022	Date Received 2022	Applicator and Location
CPP2207W0727	1.632	78.6	79.8	61.9	3.4	Aug-31	Sep-2	Line West Hwy 2 : 30 Con# 18844
CPP2203W0187	1.632	84.4	79.6	61.9	2.9	Aug-31	Sep-2	Aecon Transportation West Itd From Town Stettler Hwy 12:14 To Hwy 855(W)
CPP2206W0658	1.631	78.0	78.6	60.9	3.0	Aug-30		West-Can Hwy41:10 Con#22757
		Toleranc	e Limits					
EF-61-0035	1.655	79.8	78.9	61.1				
erance Limits			± 2%	± 2%				
	± 0.05	± 5	absolute	absolute				
pper L mit	1.705	84.8	80.9	63.1	b			
cwer L mit	1.605	74.8	76.9	59.1				
	#B EF-61-0035 Batch Number 2022 CPP2207W0727 CPP2203W0187 CPP2206W0658 EF-61-0035 France Limits pper L mit	## Relative Density 2022	## Tolerance Limits WB EF-61-0035 Tests R Batch Number Relative Density Viscosity 2022 (25/25°C) (Krebs) CPP2207W0727 1.632 78.6 CPP2203W0187 1.632 84.4 CPP2206W0658 1.631 78.0 Tolerance EF-61-0035 1.655 79.8 France Limits ± 0.05 ± 5 pper L mit 1.705 84.8	Tests Required Number Relative Density Viscosity Non-Volatile Content (%)	Tests Required Pigment Content Con	Tests Required Pigment Content Con	Tests Required Pigment Content Content Content (%) (Minutes) 2022 (25/25°C) (Krebs) (%)	Tests Required Pigment Dry to Date Sampled Received

Test not Required by AT	1 1	Ī	
PER:		-0	19-Sep-22
	VV	1	DATE
Re	eviewed By:	1 1	

Project No.: EA16450

1150

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation Technical Standards Branch 2nd Floor, Twin Atria Building 4999 - 98 Ave

Edmonton, AB T6B 2X3

Distribution Addressee: WSP E&I Canada Limited 5671 - 70 Street Edmonton, AB Canada T6B 3P6

Tel +1 (780) 436-2152 Fax +1 (780) 377-3599

Fo	ormulation:	s	upplier:	PPG					
White	WB EF-61-0035		Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Touch	Sampled	Received	··
Number				Content					
	2022	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2022	2022	
B87	CPP2203W0187	1.637	84.3	79.5	61.9	2.9	Sep-6	Sep-12	Line King Hwy 61 : 06 Con#13463
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.705	84.8	80.9	63.1				
L	ower Limit	1.605	74.8	76.9	59.1				

* Indicates result outside tolera Test not Required by AT	ance limits.	111	
	PER:		26-Sep-22
	Reviewed By:	MAX	DATE
)

Project No.: EA16450

1150

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Formulation:		s	upplier:	PPG					
White	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Dry to Touch	Date Sampled	Date Received	Applicator and Location
	2022	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2022	2022	
B109	CPP2203W0115	1.622	77.0	77.9	60.4	3.1	N/A	Oct-5	Line King Hwy 61 Con#14775
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
_		± 0.05	± 5	absolute	absolute				
U	Ipper Limit	1.705	84.8	80.9	63.1				
L	Lower Limit		74.8	76.9	59.1				

* Indicates result outside tolerance limits.

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Fo	ormulation:	S	upplier:	PPG					
White \	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number 2022	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Dry to Touch (Minutes)	Date Sampled 2022	Date Received 2022	Applicator and Location
B141	CPP2203W0115	1.618	72.4	78.2	60.5	3.0	N/A	Nov-3	Line King Hwy 3 : 10 Con# 22241
B147	CPP2208W0935	1.590*	65.9*	75.7*	58.6*	3.1	Oct-19		Line West Con# 19466 Hwy 1: 14, 1 Km E of Hwy 561 to Hwy 901
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
IJ	pper Limit	1.705	84.8	80.9	63.1				
L	ower Limit	1.605	74.8	76.9	59.1				

* Indicates result outside tolerance limits.

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Fo	ormulation:	S	upplier:	PPG					
White '	WB EF-61-0035		Tests R	equired					
Lab Sample Number	Batch Number 2022	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Dry to Touch (Minutes)	Date Sampled 2022	Date Received 2022	Applicator and Location
B153	CPP2203W0115	1.619	77.0	78.2	60.5	2.9	Sep-29		Line King West Calgary Ring Road - HWY 1 and Hwy 201 Con# 20376
			Toleranc	e Limits					
2020	EF-61-0035	1.655	79.8	78.9	61.1				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				9
U	pper Limit	1.705	84.8	80.9	63.1				
L	ower Limit	1.605	74.8	76.9	59.1				

* Indicates result outside tolerance limits.

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