

August 16, 1958

L.I.A. Paint No. 327
Reference: PR 17

PigMENT	WEIGHT %	POUNDS FOR 100 GALS.	POUNDS PER SOLID	
	SL. 3		GALLON	GALLONS
Red Lead, 97% (TT-B-191a)	53.00	360.00	73.3	4.92
Zinc Yellow (TT-2-415, Type I)	9.85	66.90	29.2	2.29
Zinc Oxide, Lead Free (TT-2-301)	7.95	54.10	46.5	1.16
Graphitic Mica	15.13	103.00	24.3	4.24
Raw Sienna (P.S. TT-3-346, Type I)	3.97	27.00	26.7	1.01
Magnesium Silicate (S2-MC-523, Type I)	9.85	66.90	23.7	2.82
Aluminum Stearate (S2-A-12a)	.28	1.93	8.4	.23
	100.03			

VEHICLE	48.7			
Vehicle No. 27	69.00	449.40	7.8	57.20
Aromatic Mineral Spirits	29.70	192.00	7.45	25.00
Cobalt Naphthenate (6%)	.14	.94	8.0	.12
Lead Naphthenate (24%)	.90	5.86	9.6	.61
Manganese Naphthenate (6%)	.14	.94	5.1	.12
Antiskin Agent	.16	1.07	7.55	.14
	100.04	1330.04		100.66

APPLICATION

WEIGHT PER GALLON

13.2 lbs.

PP (% Pigment by Volume in non-
volatile portion of paint)

34.6%

VOLATILE AND DRYER IN VEHICLE

56.5%

Method: Spray

No. of Coats: 2

Dry film thickness per coat: 1.5 mils ± 10%

Painting Schedule:

Between Coats - over-
night

Before Exposure - 72 hrs.

N2815

L.I.A. Paint No. 318
Reference: PR 17

PIGMENT	% WEIGHT	POUNDS FOR 100 GALS.	POUNDS PER SOLID GALLON	GALLONS
Red Lead, 97% (TT-8-191a)	53.0	367	7 1/2	4.96
Zinc Yellow (TT-2-415, Type I)	10.0	69	29.5	2.34
Zinc Oxide, Lead Free (TT-1-301)	8.0	55	46.7	1.18
Raw Sienna (P.S. TT-8-346, Type I)	4.0	28	26	1.08
Graphitic Mica	15.0	104	23.3	4.44
Magnesium Silicate (S2-MC-S23, Type I)	9.7	67	23.8	2.82
Aluminum Stearate (S2-4-12a)	0.3	2.1	8.3	0.25
	100.0			

VEHICLE	% WEIGHT	POUNDS FOR 100 GALS.	POUNDS PER SOLID GALLON	GALLONS
Alkyd Solution (Navy S2-R-13a) Grade Ia	43.3	273	7.9	34.56
LIA Vehicle 27	25.4	160	8.6	18.61
Mineral Spirits (TT-T-251a, Grade I)	29.3	185	6.54	28.29
Pb Naphthenate (24)	1.4	9.0	9.6	0.94
Ce Naphthenate (6)	0.2	1.4	8.0	0.18
Mn Naphthenate (6)	0.2	1.4	8.1	0.17
Antiskin Agent	0.2	1.3	7.6	0.17
	100.0	1323.2		100.01

WEIGHT PER GALLON 13.2 lbs.
PV (% pigment by volume in non-
volatile portion of paint) 35
VOLATILE AND DILUENT IN VEHICLE 52.1 %

• 0.2. 2466 Solution

APPLICATION
Method: Spray
No. of Coats: 2
Dry film thickness per
coat: 1.5 mils ± 10%
Painting Schedule:
Between Coats - overnight.
Before Exposure - 72 hours.

L.I.A. Paint No. 319
Reference: PR 17

PIGMENT	WEIGHT %	POUNDS FOR 100 GALS.	POUNDS PER SOLID	
	52.5		GALLON	GALLONS
Red Lead, 97% (TT-R-191a)	53.00	372.00	73.3	5.08
Zinc Yellow (TT-2-115, Type I)	10.30	72.40	29.2	2.48
Zinc Oxide, Lead Free (TT-2-301)	7.76	64.20	46.5	1.36
Graphitic Mica	14.53	103.40	24.3	4.25
Raw Sienna (P.S. TT-S-116, Type I)	3.87	27.10	26.7	1.01
Magnesium Silicate (52-MC-523, Type I)	9.96	69.90	23.7	2.94
Aluminum Stearate (52-A-12a)	.36	2.56	8.4	.30
	100.06			

VEHICLE	47.5			
Alkyd Resin Solution (52-MC-502 Type 1)	29.72	188.60	8.0	23.99
Vehicle No. 5	36.90	231.62	7.5	30.99
Aromatic Mineral Spirits	32.60	206.50	7.45	27.80
Lead Naphthenate (24%)	.83	5.29	9.6	.55
Cobalt Naphthenate (6%)	.13	.83	8.0	.10
Manganese Naphthenate (6%)	.13	.83	8.1	.10
Antiskin Agent	.17	1.07	7.55	.14
	100.08	1346.30		102.71

WEIGHT PER GALLON

PV (% Pigment by volume in non-
volatile portion of paint)

Volatile and Drier in Vehicle

W.B. 2529 Solution

13.4 lbs.

35.54

57.34

APPLICATION

Method: Spray

No. of Coats: 2

Dry film thickness per

coat: 1.5 mils ± 10%

Painting Schedule:

Between Coats - overnight

Before Exposure - 72 hrs. ±

L.I.A. Paint No. 320
Reference: PR 17

PigMENT	WEIGHT %	POUNDS		
		FOR 100 GALS.	PER SOLID GALLON	GALLONS
Red Lead, 97% (TT-R-191a)	45.0	330	74	4.46
Leadon Chrome Yellow (F.S. TT-C-290 Type II)	15.0	110	48.7	2.26
Zinc Oxide, Lead Free (TT-Z-301)	8.0	99	46.7	1.26
Zinc Yellow (TT-Z-415, Type I)	7.0	51	29.5	1.73
Graphitic Mica	15.0	110	23.3	4.72
Magnesium Silicate (S2-MC-S23, Type I)	10.0	73	23.8	3.07
	100.0			
VEHICLE	46.1			
Alkyd Resin Solutions (Navy S2-R-13a) Grade I	43.4	273	7.9	34.56
LIA Vehicle 27	25.5	160	8.6	18.61
Mineral Spirits (TT-T-291a, Grade I)	29.0	182	6.54	27.83
Pb Naphthenate (24)	1.5	9.2	9.6	0.96
Co Naphthenate (6)	0.2	1.4	8.0	0.18
Mn Naphthenate (6)	0.2	1.4	8.1	0.17
Antiskin Agent	0.2	1.4	7.6	0.18
	100.0	1361.4		99.99

WEIGHT PER GALLON 13.6 lbs.
PV (% Pigment by volume in non-volatile portion of paint)
VOLATILE AND DRIER IN VEHICLE 35
52.9%

0.2. 2466 Solution

APPLICATION

Method: Spray
No. of Coats: 2
Dry film thickness per coat 1.5 mils ± 10%
Painting Schedule:
Between Coats - overnight
Before Exposure - 72 hours

L.I.A. Paint No. 321
Reference: PR 17

PIGMENT	WEIGHT % 37.0	POUNDS FOR 100 GALS.	POUNDS PER SOLID GALLON	GALLONS
Red Lead, 97% (TT-B-191a)	53.60	216.70	73.3	2.96
Zinc Yellow (TT-2-415, Type I)	10.04	40.70	29.2	1.39
Zinc Oxide, Lead Free (TT-2-301)	8.03	32.50	46.5	.70
Graphitic Mica	14.70	59.60	24.3	2.45
Raw Sienna (F.S. TT-5-346, Type I)	4.02	16.25	26.7	.61
Magnesium Silicate (S2-MC-S2), Type I)	9.38	37.90	23.7	2.67
Aluminum Stearate (S2-A-12a)	.33	1.35	8.4	.16
	100.10			

VEHICLE	63.0			
VACR Vinylite	4.72	32.50	11.6	2.80
Vehicle No. 27	42.45	92.00	8.3	35.15
Hi-Flash Naphtha	17.12	118.00	7.25	16.30
Ethyl Butyl Ketone	35.00	240.50	6.83	35.20
Cobalt Naphthenate (6%)	.07	.50	8.0	.06
Lead Naphthenate (24%)	.45	3.12	9.6	.32
Manganese Naphthenate (6%)	.07	.50	8.1	.06
Anti-Skin Agent	.14	.95	7.95	.12
	100.02	1093.07		99.95

WEIGHT PER GALLON
PV (Pigment by Volume in non-
volatile portion of paint)
Volatile and Drier in Vehicle

10.9 lbs.

APPLICATION

35.1 %
73.48%

Method: Spray
No. of Coats: 2
Dry film thickness per
coat: 1.5 mils @ 10%
Painting Schedule:
Between Coats - overnight
Before Exposure - 72 hours

L.I.A. Paint No. 322
Reference: PR 17

PIGMENT	WEIGHT %	POUNDS FOR 100 GALS.	POUNDS PER SOLID	
			GAL.	GALS.
Red Lead, 97% grade(TT-B-191a)	52.70	330.00	73.3	4.50
Zinc Yellow(TT-2-415, Type I)	10.00	62.80	29.2	2.15
Zinc Oxide, Lead Free(TT-2-301)	7.95	49.75	46.5	1.07
Graphitic Mica	15.05	94.30	24.3	3.88
Ram Sienna(P.S. TT-3-446, Type I)	3.98	24.90	26.7	.93
Magnesium Silicate(S2-MC-52), Type I)	10.00	62.80	23.7	2.65
Aluminum Stearate(S2-a-12a)	.31	1.96	8.4	.23
	99.99			
VEHICLE	50.2			
Vehicle No. 5	61.89	391.30	7.5	52.32
Aromatic Mineral Spirits	37.10	234.50	7.45	31.50
Lead Naphthenate(24%)	.68	4.27	9.6	.44
Cobalt Naphthenate(6%)	.10	.67	8.0	.08
Manganese Naphthenate(6%)	.10	.67	8.1	.08
Antiskin Agent	.16	1.00	7.55	.13
	100.03	1258.92		99.96

WEIGHT PER GALLON

PV(% Pigment by volume in non-
volatile portion of paint)
Volatile and Drier in Vehicle

12.6 lbs

35.2%

62.9%

APPLICATION

Method: Spray

No. of Coats: 2

Dry film thickness per
coat: 1.5 mils @10%

Painting Schedule:

Between Coats - overnight
Before Exposure - 72 hours.

L.I.A. Paint No. 323
Reference: PR 17

PigMENT	WEIGHT %	POUNDS		
		FOR 100 GALLONS	PER SOLID GALLON	GALLONS
Red Lead, 97% grade(TT-R-191a)	55.2	494	74	6.678
Zinc Yellow(TT-Z-115, Type I)	10.4	93	29.5	3.156
Raw Sienna(F.S.TT-S-346, Type I)	4.2	37	26	1.430
Graphitic Mica	15.6	140	23.3	6.001
Magnesium Silicate(S2-MC-S23, Type I)	14.3	128	23.8	5.397
Aluminum Stearate(S2-A-12a)	0.3	2.5	8.3	0.296
	100.0			
VEHICLE	39.3	POUNDS		
		FOR 100 GALLONS	PER SOLID GALLON	GALLONS
(Navy S2-R-13a)				
Alkyd Resin Solutions Grade I	15.8	266	7.9	33.647
Raw Linseed Oil	26.5	165	7.73	21.368
Mineral Spirits(TT-T-291a, Grade I)	22.7	131	6.58	20.068
Pb Naphthenate(24)	2.1	12.3	9.6	1.251
Co Naphthenate(6)	0.3	1.8	8.0	0.230
Mn Naphthenate(6)	0.3	1.8	8.1	0.227
Antioksin Agent	0.3	1.5	7.6	0.202
	100.0	1473.9		100.001

WEIGHT PER GALLON
PV(1 Pigment by volume in non-volatile portion of paint)
VOLATILE AND DRIER IN VEHICLE
• O. E. 2466 Solution

14.7 lbs
34.9
39.48

APPLICATION
Method: Spray
No. of Coats: 2
Dry Film Thickness per coat: 1.5 mils ± 10%
Painting Schedule:
Between Coats - 24 hours
Before Exposure - 1 week

L.I.A. Paint No. 32h
Reference: PR 17

PIGMENT	WEIGHT %	POUNDS FOR 100 GALLONS	POUNDS PER SOLID GALLON	GALLONS
Red Lead, 97% grade	53.0	341	74	4.61
Zinc Yellow(TT-2-415, Type I)	10.0	64	29.5	2.19
Zinc Oxide, Lead Free(TT-2-301)	8.0	52	46.7	1.10
Raw Sienna(P.S.TT-3-346, Type I)	4.0	25	26	0.98
Graphitic Mica	15.0	96	23.3	4.13
Magnesium Silicate(S2-MC-S23, Type I)	9.7	62	23.8	2.27
Aluminum Stearate(S2-A-12a)	0.3	1.9	8.3	0.23
	100.0			

VEHICLE	WEIGHT %	POUNDS FOR 100 GALLONS	POUNDS PER SOLID GALLON	GALLONS
Alkyd Resin Solutions	42.3	276	7.73	35.67
LIA Vehicle 27	29.6	192	8.7	22.10
Raw Linseed Oil	7.1	45	7.73	5.85
Mineral Spirits(TT-T-792a Grade I)	18.9	124	6.54	18.90
Pb Naphthenate(24)	1.5	10	9.6	1.05
Co Naphthenate(6)	0.2	1.5	8.0	0.19
Mn Naphthenate(6)	0.2	1.5	8.1	0.18
Antiskin Agent	0.2	1.5	7.6	0.19
	100.0	1293.4		99.67

WEIGHT PER GALLON 13.0 lbs.
PV(1% Pigment by volume in non-
volatile portion of paint) 35
VOLATILE AND DRYER IN VEHICLE 52.9%

APPLICATION

Method: Spray
No. of Coats: 2
Dry Film thickness per
coat: 1.5 mils @ 10%
Painting Schedule:
Between Coats - overnight
Before Exposure - 72 hours

Linseed Modified glyceryl Phthalate
Resin, M&P.A., Non-Volatile = 50% by Wt.
O. S. 24% Solution

L.I.A. Paint No. 325
Reference: PR 17

PIGMENT	WEIGHT	POUNDS FOR 100 GALLONS	POUNDS PER SOLID	
	52.5		GALLON	GALLONS
Red Lead, 97% Grade(TT-B-191a)	45.0	306	74	4.14
Titanium Dioxide(P.S. TT-T-425)	10.0	68	32.5	2.09
Zinc Yellow(TT-Z-415, Type I)	10.0	68	29.5	2.31
Zinc Oxide, Lead Free(TT-Z-301)	10.0	68	46.7	1.46
Magnesium Silicate(S2-MC-52), Type I)	10.0	68	23.8	2.86
Graphitic Mica	15.0	108	23.3	4.38
	100.0			

VEHICLE	47.5			
(Navy S2-V-13a)				
Alkyd Resin Solutions Grade I	64.9	398	7.9	50.38
Mineral Spirits(TT-T-291a, Grade I)	32.9	202	6.4	30.69
Pb Naphthenate(24)	1.5	9.4	9.6	0.98
Co Naphthenate(6)	0.23	1.4	8.0	0.18
Mn Naphthenate(6)	0.22	1.4	8.1	0.17
Antiakin Agent	0.25	1.5	7.6	0.20
	100.0	1293.7		100.00

WEIGHT PER GALLON 12.9 lbs.
PV(8 Pigment by volume in non-volatile portion of paint) 35
VOLATILE AND DRIER IN VEHICLE 58.7%

0.1. 21.66 Solution

APPLICATION

Method: Spray
No. of Coats: 2
Dry film thickness per coat: 1.5 mils @ 10.
Painting Schedule:
Between Coats - overnight
Before Exposure - 72 hours