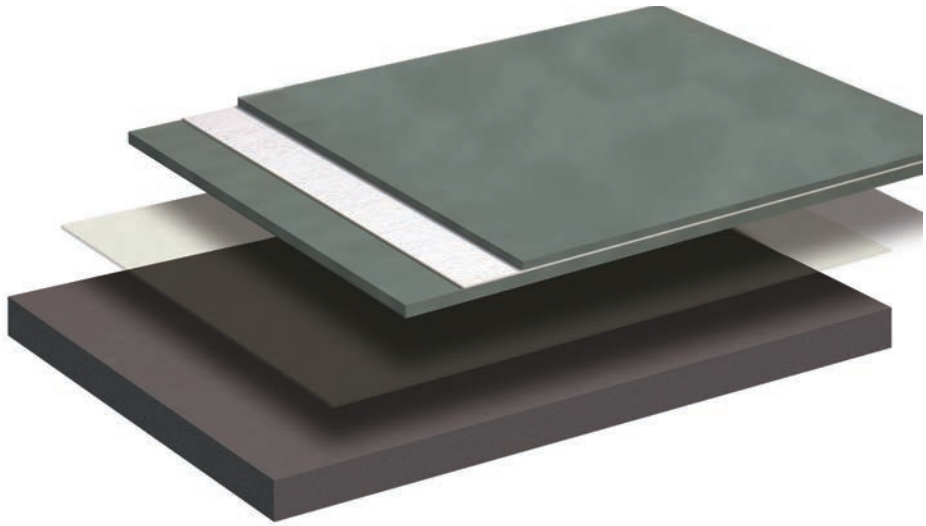
PARAPRO Roof Membrane System

siplast®

Material Estimating Guide



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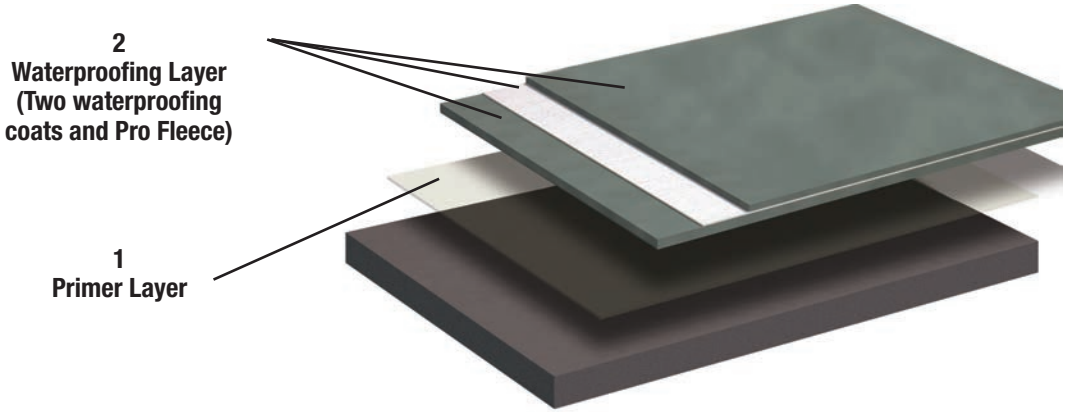

SUBSTRATE PREPARATION

Pro Paste: 5–kg can **Number of cans needed:_____** **Deck Area (sf): _____**

Typical Paste Coverage: 0.13 kg/sf (1.4 kg/m²) per 1 mm of thickness **Flashing Area (sf): _____**

FLASHING	AREA TO BE COVERED (sf)		COVERAGE (sf) PER UNIT		CALCULATED NO. OF UNITS NEEDED		WASTE FACTOR*		TOTAL NO. OF UNITS NEEDED	CATALYST NEEDED	NO. PRO CATALYST BAGS PER CAN
1. PRIMER LAYER											
Pro Primer W Unit: 10–kg can Consumption 0.037 kg/sf (0.4 kg/m²) (concrete) 10–kg can coverage: 270 sf		÷	270	=		+		=	_____ Cans		2 bags per can at 2% 4 bags per can at 4% 6 bags per can at 6%
Consumption 0.074 kg/sf (0.8 kg/m²) (DensDeck, DensDeck Prime) 10–kg can coverage: 135 sf		÷	135	=		+		=	_____ Cans	_____ Bags	2 bags per can at 2% 4 bags per can at 4% 6 bags per can at 6%
Pro Primer R Unit: 5–kg can (asphaltic surfaces) Consumption 0.4 kg/m2 (0.037 kg/sf) 5–kg can coverage: 135 sf		÷	135	=		+		=	_____ Cans		1 bags per can at 2% 2 bags per can at 4% 3 bags per can at 6%
2. FLASHING MEMBRANE Parapro Flashing Resin: 10–kg can Total Consumption (all layers): 0.31 kg/sf (3.3 kg/m²) 10–kg can coverage: 32 sf		÷	32	=		+		=	_____ Cans	_____ Bags	2 bags per can at 2% 4 bags per can at 4% 6 bags per can at 6%
3. REINFORCING FLEECE Pro Fleece Roll (all layers) 12" x 164' (164 sf)		÷	164	=		+		=	_____ Rolls	_____ Bags	n/a
25" x 164' (341 sf)		÷	341	=		+		=	_____ Rolls		

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MATERIALS WATERPROOFING & SURFACING	AREA TO BE COVERED (sf)		COVERAGE (sf) PER UNIT		CALCULATED NO. OF UNITS NEEDED		WASTE FACTOR*		TOTAL NO. OF UNITS NEEDED	CATALYST NEEDED	NO. PRO CATALYST BAGS PER CAN NEEDED***
ROOF MEMBRANE SYSTEM											
1. PRIMER LAYER Pro Primer T Unit: 10–kg can Consumption 0.037 kg/sf (0.4 kg/m²) (concrete) 10–kg can coverage: 270 sf		÷	270	=		+		=	____ Cans		2 bags per can at 2% 4 bags per can at 4% 6 bags per can at 6%
Pro Primer W Unit: 10–kg can Consumption 0.074 kg/sf (0.8 kg/m²) (DensDeck, DensDeck Prime) 10–kg can coverage: 135 sf		÷	135	=		+		=	____ Cans	____ Bags	2 bags per can at 2% 4 bags per can at 4% 6 bags per can at 6%
Pro Primer R Unit: 5–kg can Consumption 0.4 kg/m2 (0.037 kg/sf) 5–kg can coverage: 135 sf		÷	135	=		+		=	____ Cans		1 bags per can at 2% 2 bags per can at 4% 3 bags per can at 6%
WATERPROOFING LAYER (Consists of 2 individual resin waterproofing coats and Pro Fleece) Parapro Roof Membrane Resin: 20–kg can Consumption: 0.19 kg/sf (2.0 kg/m²) under fleece* 0.120 kg/sf (1.3 kg/m²) over fleece Total 0.31 kg/sf (3.3 kg/m²) 20–kg can coverage: 64 sf		÷	64	=		+		=	____ Cans	____ Bags	4 bags per can at 2% 8 bags per can at 4% 12 bags per can at 6%
REINFORCING FLEECE Pro Fleece Roll 41" x 164' (560 sf) Add 2" for overlap at each side and end lap – 5%.)		÷	560	=		+		=	____ Rolls		n/a
PROTECTIVE WALKWAY – SLIP RESISTANT SURFACING – OPTIONAL											
SURFACE PREP Pro Prep: 1 Gal Can **RESIN/WEARING/EMBEDMENT LAYER** Parapro Roof Membrane Resin: 20–kg can Consumption: 0.092 kg/sf (1.0 kg/m²) 20–kg can coverage: 215 sf		÷	215	=		+		=	____ Cans	____ Bags	4 bags per can at 2% 8 bags per can at 4% 12 bags per can at 6%
SURFACING AGGREGATES Pro Natural Quartz: 50–lb bag Consumption: 1 lb/sf Bag coverage: 50 sf		÷	50	=		+		=	____ Bags		n/a
Siplast No. 11 Roofing Granules: 5–gallon pail Consumption: 1.0 lb/sf Pail coverage: 60 sf		÷	60	=		+		=	____ Pails		n/a
COLOR FINISH – OPTIONAL											
SURFACE PREP Pro Prep: 1 Gal Can FINISH LAYER (Over Pro Natural Quartz) Pro Color Finish: 10–kg can Consumption: 0.060 kg/sf (0.65 kg/m²) 10–kg can coverage: 166 sf		÷	166	=		+		=	____ Cans	____ Bags	2 bags per can at 2% 4 bags per can at 4% 6 bags per can at 6%

*Increase the base layer (under fleece) thickness by 50% for applications over granule surfaces.
**To ensure an adequate amount of material for the job, a waste factor should be included in all estimates. The contractor is best qualified to determine the waste factor.
***The amount of Pro Catalyst added to Parapro and Pro Resins is based on the weight and associated volume of the resin used, and varies with the ambient temperature and type of resin. The amount of Pro Catalyst added to Parapro and Pro Resins must never be less than 2%. If resin mixed with the minimum required catalyst of 2% does not have sufficient pot life, the ambient temperature is too high. Refer to Pro Catalyst mixing charts on the back of this guide for more information.

Pro Catalyst Mixing Charts

Parapro Roof Resin and Parapro Flashing Resin - Summer Grade

The amount of Pro Catalyst used with Summer Grade Parapro Roof and Flashing Resin varies from a minimum of 2% to 4% maximum by weight, depending upon the ambient temperatures as indicated in the following table:

Resin Quantity	Summer Grade 2% Catalyst 68°F to 104°F (20°C to 40°C)				Summer Grade 4% Catalyst 59°F to 68°F (15°C to 20°C)			
	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags
1.0 kg (0.72 liter)	20	0.02	2	n/a	40	0.04	4	n/a
5.0 kg (3.6 liter)	100	0.1	10	1	200	0.2	20	2
10.0 kg (7.2 liter)	200	0.2	20	2	400	0.4	40	4
20.0 kg (14.3 liter)	400	0.4	40	4	800	0.8	80	8

Substrate temperature range for application of Summer Grade Parapro Roof and Flashing Resin is 59°F to 122°F (15°C to 50°C).

Parapro Roof Resin and Parapro Flashing Resin - Winter Grade

The amount of Pro Catalyst used with Winter Grade Parapro Roof and Flashing Resin varies from a minimum of 2% to 6% maximum by weight, depending upon the ambient temperatures as indicated in the following table:

Resin Quantity	Winter Grade 2% Catalyst 59°F to 68°F (15°C to 20°C)				Winter Grade 4% Catalyst 41°F to 59°F (5°C to 15°C)				Winter Grade 6% Catalyst 23°F to 41°F (-5°C to 5°C)			
	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags
1.0 kg (0.72 liter)	20	0.02	2	n/a	40	0.04	4	n/a	60	0.06	6	n/a
5.0 kg (3.6 liter)	100	0.1	10	1	200	0.2	20	2	300	0.3	30	3
10.0 kg (7.2 liter)	200	0.2	20	2	400	0.4	40	4	600	0.6	60	6
20.0 kg (14.3 liter)	400	0.4	40	4	800	0.8	80	8	1200	1.2	120	12

Substrate temperature range for application of Winter Grade Parapro Roof and Flashing Resin is 23°F to 77°F (-5°C to 25°C).

Pro Primer W Resin - Pro Primer T Resin - Pro Primer R Resin

The amount of Pro Catalyst used with Pro Primers varies from a minimum of 2% to 6% maximum by weight, depending upon the ambient temperatures as indicated in the following table:

Resin Quantity	2% Catalyst 77°F to 95°F (25°C to 35°C)				4% Catalyst 71°F to 77°F (5°C to 25°C)				6% Catalyst 32°F to 41°F (0°C to 5°C)			
	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags
1.0 kg (1 liter)	20	0.02	2	n/a	40	0.04	4	n/a	60	0.06	6	n/a
5.0 kg (5 liter)	100	0.1	10	1	200	0.2	20	2	300	0.3	30	3
10.0 kg (10 liter)	200	0.2	20	2	400	0.4	40	4	600	0.6	60	6

Substrate temperature range for application of Pro Primer W, T and R Resins is 32°F to 95°F (0°C to 35°C).

Pro Color Finish Resin

The amount of Pro Catalyst used with Pro Color Finish Resin varies from a minimum of 2% to 6% maximum by weight,depending upon the ambient temperature as indicated in the following table:

Resin Quantity	2% Catalyst 59°F to 95°F (15°C to 35°C)				4% Catalyst 41°F to 59°F (5°C to 15°C)				6% Catalyst 32°F to 41°F (0°C to 5°C)			
	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bagss	g	kg	Tblsp.	0.1-kg Bags
1.0 kg (1.0 liter)	20	.02	2	n/a	40	.04	4	n/a	60	.06	6	n/a
5.0 kg (5.0 liter)	100	0.1	10	1	200	0.2	20	2	300	0.3	30	3
10.0 kg (10.0 liter)	200	0.2	20	2	400	0.4	40	4	600	0.6	60	6

Substrate temperature range for application of Pro Color Finish is 32°F to 95°F (0°C to 35°C).

Pro Paste Resin

The amount of Pro Catalyst used with Pro Paste varies from a minimum of 2% to 6% maximum by weight, depending upon the ambient temperatures as indicated in the following table:

Resin Quantity	2% Catalyst 77°F to 95°F (25°C to 35°C)				4% Catalyst 41°F to 77°F (5°C to 25°C)				6% Catalyst 32°F to 41°F (0°C to 5°C)			
	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags
1.0 kg (0.72 liter)	20	0.02	2	n/a	40	0.04	4	n/a	60	0.06	6	n/a
5.0 kg (3.6 liter)	100	0.1	10	1	200	0.2	20	2	300	0.3	30	3

Substrate temperature range for application of Pro Paste is 32°F to 122°F (0°C to 50°C).

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This publication is an estimating guide only, based on calculated minimum material usage rates. Substrate conditions or application techniques may affect actual materiall usage. It is the responsibility of the contractor to calculate any anticipated material overages based on those factors.

Siplast

1000 Rochelle Blvd.

Irving, Texas 75062

469-995-2200

Facsimile: 469-995-2205

In Canada:

201 Bewicke Ave., Suite 208

Vancouver, BC, Canada V7M 3M7

604-929-7687

Customer Service in North America:

Toll Free 1-800-922-8800

www.siplast.com

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