

Hot Applied Built-Up Roofing Systems

Built-up roof systems are composed of six basic components that can be assembled in a number of combinations.

Insulation – Provides “R” value and stable substrate for roof system.

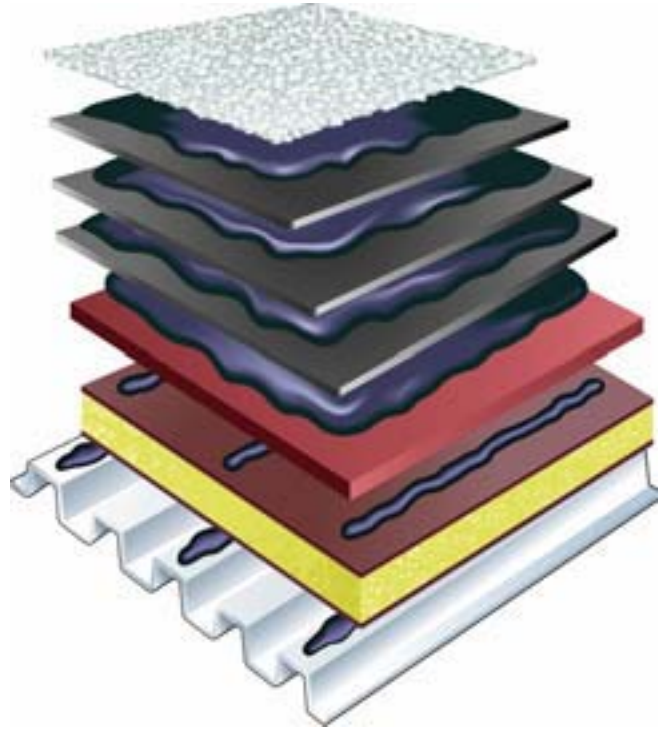
Base Plies – A single ply that covers the entire substrate.

Ply sheets – Multiple layers of plies that make up the BUR.

Adhesive – Waterproofing that bonds the plies together.

Surfacing – Top layer that protects the BUR.

Flashings – Provide waterproofing around roof perimeter, equipment and projections.



Features:

- Elastomeric properties
- Superior thermal shock resistance
- Excellent aged property retention
- Superior weather resistance
- Tar and asbestos-free
- Excellent flexibility
- Superior puncture resistance
- High strength
- Superior elongation
- Superior tensile strength

Benefits:

- Accommodates live load stresses
- Accommodates temperature cycling
- Years of added service life
- Extends performance
- Environmentally friendly
- Accommodates thermal movement
- Improved resistance to abuse
- Resists external forces
- Accommodates high movement
- Accommodates high stress

THERM 100

THERM 200

X	X
X	X
X	X
X	X
X	X
X	X
X	X
X	X
X	X
X	X

Hot Applied Built-up Roofing Systems

THERMastic 100

These systems feature ply sheets reinforced with a glass carrier. The ply sheets used are:

- THERMglass IV
- THERMglass VI
- PowerPly Type IV
- PowerPly Type VI

A variety of high tensile base sheets can be utilized with the THERM 100 roof systems. Also, the following hot applied adhesives can be used with the THERM 100 systems:

- Premium IV Asphalt
- Premium III Asphalt
- PowerPly Hot Melt Adhesive
- THERM 50 Adhesive
- THERMastic Adhesive

THERMastic 200

These systems feature ply sheets and base sheets that are reinforced with polyester.

The ply sheets used are:

- PolyTHERM Roofing Ply

To maintain a high elongation system, it is recommended to always use a Polyester Base Sheet such as:

- Burmastic 300 Ply Sheet

A variety of modified hot applied adhesives can be utilized with THERMastic 200 Roof systems.

These are:

- PowerPly Hot Melt Adhesive
- THERM 50 Adhesive
- THERMastic Adhesive

SEE PRODUCT PAGES for a detailed description of each product listed above.

System performance and cost can be adjusted easily to fit your project requirements.

Hot Applied Components:

HOT APPLIED BASE PLIES AND PLY SHEETS

- Composite Ply
- Premium Composite Ply
- Supreme Composite Ply
- Modified Composite Ply
- Modified Premium Composite Ply
- Modified Supreme Composite Ply
- BURmastic Glass Ply
- BURmastic Glass Ply 28
- BURmastic 300 Ply Sheet
- THERMglass IV
- THERMglass VI
- PowerPly Type IV
- PowerPly Type VI

FLASHINGS

- Hypalon Elastomeric Sheeting
- TremLock Coping
- TremLock Fascia
- TRA Elastomeric Sheeting
- TremFlash Flashing Membrane

FLASHING ADHESIVES

- Brush Grade Mastic
- Sheeting Bond
- Polyroof SF
- THERMastic Adhesive

HOT APPLIED ADHESIVES

- Premium III Asphalt
- Premium IV Asphalt
- POWERply Hot Melt Adhesive
- THERM 50 Adhesive
- THERMastic Adhesive

COATINGS

- High Build Reflective Coating
- Polarcote FR
- One Coat Aluminum
- One Coat Aluminum FR
- Double Duty Aluminum LV

SURFACING

- BURmastic/Gravel
- Tremlastic/Polarcote FR
- Tremlastic/One Coat Aluminum
- One Coat Aluminum FR
- Tremlastic/Double Duty Aluminum

- BURmastic FR/Granules
- High Build Reflective Coating
- THERMastic/Gravel
- Blacklastic/Gravel
- Premium III/Gravel
- Premium IV/Gravel
- POWERply Hot Melt Adhesive/Gravel
- THERM 50 Adhesive/Gravel
- THERMastic Adhesive/Gravel

Hot Applied Built-up Roofing Systems

4 Straight

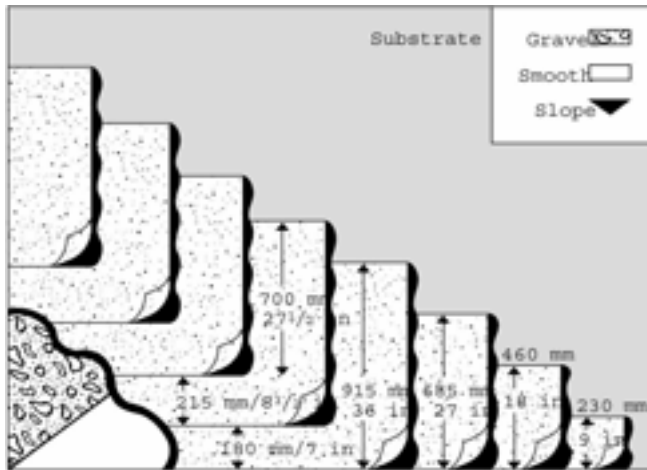
CONFIGURATION:

THERM 100 - 4 Ply
See Material Requirements
- Ply Sheet Options (Below)

SUBSTRATE OPTIONS:

Nailed Base Sheet
Nailed Base Sheet with Slip Sheet
2 Course Insulation or
1 Course Insulation (Base sheet strongly recommended)

(Zones 1, 2 and 3)



Slope: Positive drainage up to 25% (3:12)

Material Requirements	Quantity	
	/m ²	/100 ft ²
Ply Sheets		
THERMglass IV Felt	4 plies	4 plies
THERMglass VI Felt	4 plies	4 plies
POWERply Type IV	4 plies	4 plies
POWERply Type VI	4 plies	4 plies
Interply Hotmelt Adhesive		
See Product List -		
Hot Applied Adhesives	1.2kg	25lbs./sq./ply
Surfacing		
Gravel Surfacing		
Flood Coat		
THERMastic Adhesive	2.4kg	50lbs.
POWERply Hot Melt	2.4kg	50lbs.
THERM 50 Adhesive	2.4kg	50lbs.
Premium III Asphalt	2.4kg	50lbs.
Premium IV Asphalt	2.4kg	50lbs.
Blacklastic		75lbs.
BURmastic Adhesive		4-5gal
Gravel	19.5kg	400lbs.
Smooth		
Surfacing Emulsion	1.6 L	4 gal
Reflective Coating		As specified for coating

*Note: All coverage rates represent the required average application rate. Tolerances are +/-20% for any point

3 Straight

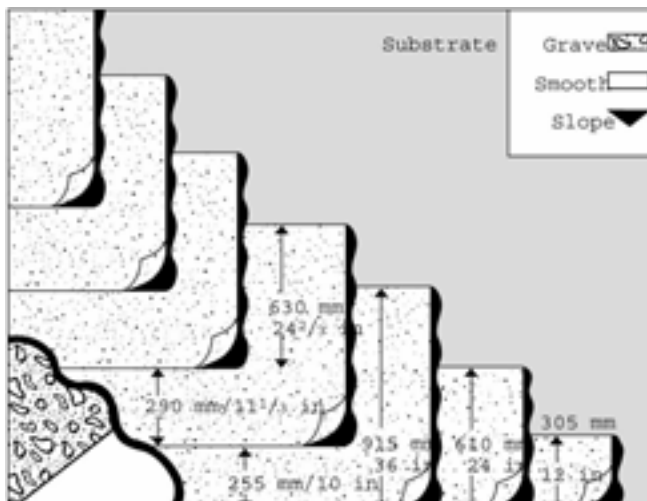
CONFIGURATION:

THERM 100 - 3 Ply
See Material Requirements
- Ply Sheet Options (Below)

SUBSTRATE OPTIONS:

Nailed Base Sheet
Nailed Base Sheet with Slip Sheet
2 Course Insulation or
1 Course Insulation (Base sheet strongly recommended)

(Zones 1, 2 and 3)



Slope: Positive drainage up to 25% (3:12)

Material Requirements	Quantity	
	/m ²	/100 ft ²
Ply Sheets		
THERMglass IV Felt	3 plies	3 plies
THERMglass VI Felt	3 plies	3 plies
POWERply Type IV	3 plies	3 plies
POWERply Type VI	3 plies	3 plies
Interply Hotmelt Adhesive		
See Product List -		
Hot Applied Adhesives	1.2kg	25lbs./sq./ply
Surfacing		
Gravel Surfacing		
Flood Coat		
THERMastic Adhesive	2.4kg	50lbs.
POWERply Hot Melt	2.4kg	50lbs.
THERM 50 Adhesive	2.4kg	50lbs.
Premium III Asphalt	2.4kg	50lbs.
Premium IV Asphalt	2.4kg	50lbs.
Blacklastic		75lbs.
BURmastic Adhesive		5gal
Gravel	19.5kg	400lbs.
Smooth		
Surfacing Emulsion	1.6 L	4 gal
Reflective Coating		As specified for coating

*Note: All coverage rates represent the required average application rate. Tolerances are +/-20% for any point on the roof.

continued on next page

Hot Applied Built-up Roofing Systems

continued from previous page

Base + 2

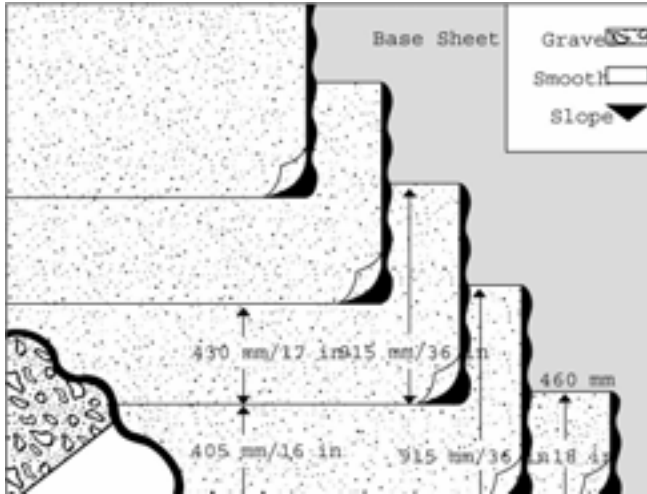
CONFIGURATION:

THERM 100 Base + 2 Ply
See Material Requirement
- Ply Sheet Options (Below)
Adhered Base Sheet Mandatory

SUBSTRATE OPTIONS:

Fastened Base Sheet
2 Course Insulation or 1 Course Insulation

(Zones 1, 2 and 3)



Slope: Positive drainage up to 25% (3:12)

Material Requirements	Quantity	
	/m ²	/100 ft ²
Base Sheets		
See Product List - Base Plies	1 ply	1 ply
Base Sheet Adhesive & Interply Hotmelt Adhesive		
See Product List - Hot Applied Adhesives	1.2kg	25lbs.
Ply Sheets		
THERMglass Type IV	2 plies	2 plies
THERMglass Type VI	2 plies	2 plies
POWERply Type IV	2 plies	2 plies
POWERply Type VI	2 plies	2 plies
Surfacing		
Gravel Surfacing		
Flood Coat		
THERMastic Adhesive	2.4kg	50lbs.
POWERply Hot Melt	2.4kg	50lbs.
THERM 50 Adhesive	2.4kg	50lbs.
Premium III Asphalt	2.4kg	50lbs.
Premium IV Asphalt	2.4kg	50lbs.
Blacklastic		75lbs.
BURmastic Adhesive		4-5gal
Gravel	19.5kg	400lbs.
Smooth		
Surfacing Emulsion	1.6 L	4 gal
Reflective Coating		As specified for coating

*Note: All coverage rates represent the required average application rate. Tolerances are +/-20% for any point on the roof.

Base + 3

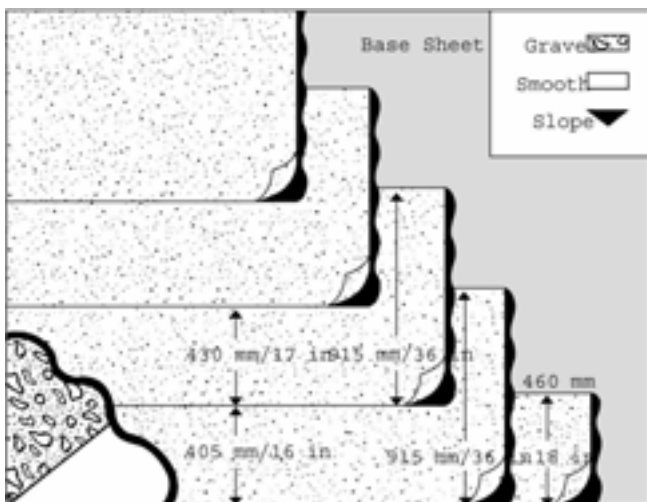
CONFIGURATION:

THERM 100 Base + 3 Ply
See Material Requirement
- Ply Sheet Options (Below)
Adhered Base Sheet Mandatory

SUBSTRATE OPTIONS:

2 Course Insulation or 1 Course Insulation

(Zones 3 only)



Slope: Positive drainage up to 25% (3:12)

Material Requirements	Quantity	
	/m ²	/100 ft ²
Base Sheets		
See Product List - Base Plies	1 ply	1 ply
Base Sheet Adhesive & Interply Hotmelt Adhesive		
See Product List - Hot Applied Adhesives	1.2kg	25lbs.
Ply Sheets		
THERMglass Type IV	3 plies	3 plies
THERMglass Type VI	3 plies	3 plies
POWERply Type IV	3 plies	3 plies
POWERply Type VI	3 plies	3 plies
Surfacing		
Gravel Surfacing		
Flood Coat		
THERMastic Adhesive	2.4kg	50lbs.
POWERply Hot Melt	2.4kg	50lbs.
THERM 50 Adhesive	2.4kg	50lbs.
Premium III Asphalt	2.4kg	50lbs.
Premium IV Asphalt	2.4kg	50lbs.
Blacklastic		75lbs.
BURmastic Adhesive		4-5gal
Gravel	19.5kg	400lbs.
Smooth		
Surfacing Emulsion	1.6 L	4 gal
Reflective Coating		As specified for coating

*Note: All coverage rates represent the required average application rate. Tolerances are +/-20% for any point on the roof.

continued on next page

Hot Applied Built-up Roofing Systems

continued from previous page

4 Straight

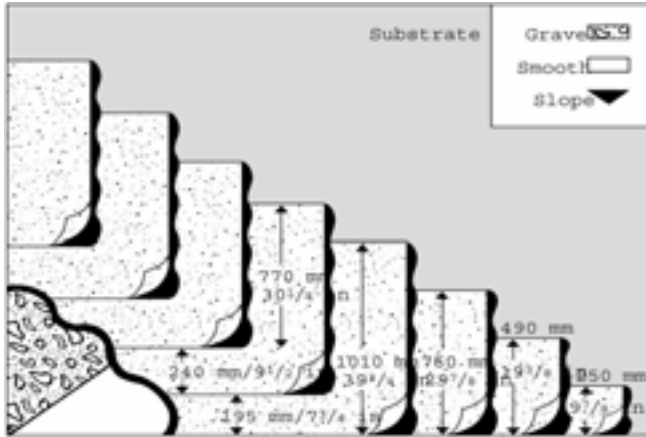
CONFIGURATION:

- THERM 200 - 4 Ply
- See Material Requirements
- Interply Hotmelt Adhesive Options (Below)
- PolyTHERM Felt

SUBSTRATE OPTIONS:

- Nailed Base Sheet
- Nailed Base Sheet with Slip Sheet
- 2 Course Insulation or
- 1 Course Insulation (Base sheet strongly recommended)

(Zones 1, 2 and 3)



Slope: Positive drainage up to 25% (3:12)

Material Requirements	Quantity	
	/m ²	/100 ft ²
Ply Sheets		
PolyTHERM Felt	4 plies	4 plies
Interply Hotmelt Adhesive		
THERMastic Adhesive	1.2kg	25lbs./sq./ply
THERM 50 Adhesive	1.2kg	25lbs./sq./ply
POWERply Hot Melt	1.2kg	25lbs./sq./ply
Surfacing		
Gravel Surfacing		
Flood Coat		
THERMastic Adhesive	2.4kg	50lbs.
POWERply Hot Melt	2.4kg	50lbs.
THERM 50 Adhesive	2.4kg	50lbs.
Blacklastic		75lbs.
BURmastic Adhesive		4-5gal
Gravel	19.5kg	400lbs.
Smooth		
Surfacing Emulsion	1.6 L	4 gal
Reflective Coating		As specified for coating

*Note: All coverage rates represent the required average application rate. Tolerances are +/-20% for any point on the roof.

3 Straight

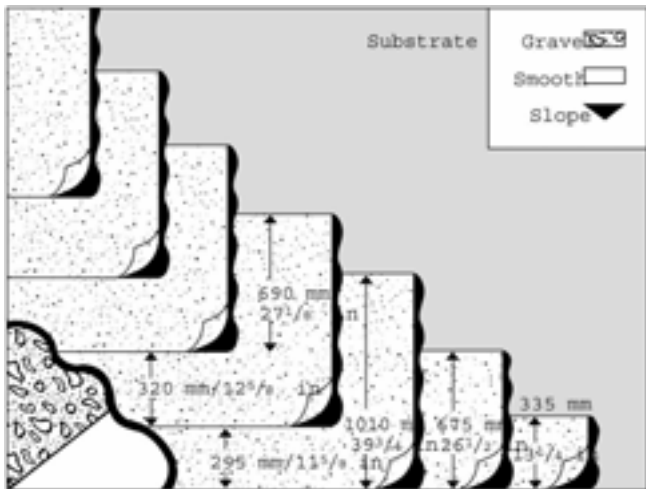
CONFIGURATION:

- THERM 200 - 3 Ply
- See Material Requirements
- Interply Hotmelt Adhesive Options (Below)
- PolyTHERM Felt

SUBSTRATE OPTIONS:

- Nailed Base Sheet
- Nailed Base Sheet with Slip Sheet
- 2 Course Insulation or
- 1 Course Insulation (Base sheet strongly recommended)

(Zones 1, 2 and 3)



Slope: Positive drainage up to 25% (3:12)

Material Requirements	Quantity	
	/m ²	/100 ft ²
Ply Sheets		
PolyTHERM Felt	3 plies	3 plies
Interply Hotmelt Adhesive		
THERMastic Adhesive	1.2kg	25lbs./sq./ply
THERM 50 Adhesive	1.2kg	25lbs./sq./ply
POWERply Hot Melt	1.2kg	25lbs./sq./ply
Surfacing		
Gravel Surfacing		
Flood Coat		
THERMastic Adhesive	2.4kg	50lbs.
POWERply Hot Melt	2.4kg	50lbs.
THERM 50 Adhesive	2.4kg	50lbs.
Blacklastic		75lbs.
BURmastic Adhesive		4-5gal
Gravel	19.5kg	400lbs.
Smooth		
Surfacing Emulsion	1.6 L	4 gal
Reflective Coating		As specified for coating

*Note: All coverage rates represent the required average application rate. Tolerances are +/-20% for any point on the roof.

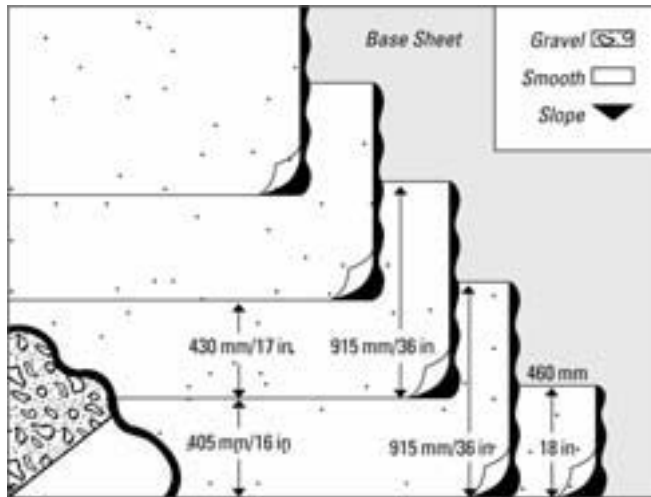
Hot Applied Built-up Roofing Systems

continued from previous page

Base + 2

CONFIGURATION:

- THERM 200 Base + 2 Ply
- See Material Requirements
- Base Sheet/Interply Hotmelt Adhesive Options (Below)
- PolyTHERM Felt
- Adhered Base Sheet Mandatory



SUBSTRATE OPTIONS:

(Zones 1, 2 and 3)

- Fastened Base Sheet
- 2 Course Insulation or 1 Course Insulation

Slope: Positive drainage up to 25% (3:12)

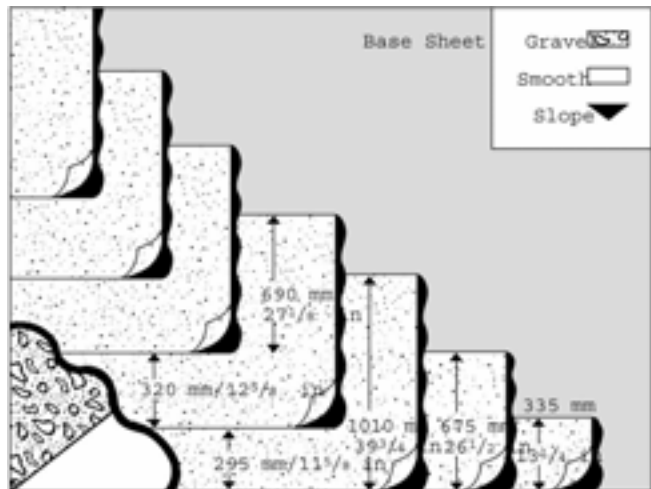
Material Requirements	Quantity	
	/m ²	/100 ft ²
Base Sheets		
BURmastic 300 Ply Sheet	1 ply	1 ply
POWERply Hotmelt Base Sheet Adhesive	1.2kg	25lbs.
THERMastic Adhesive	1.2kg	25lbs.
THERM 50 Adhesive	1.2kg	25lbs.
Ply Sheets		
PolyTHERM Felt	2 plies	2 plies
Interply Hotmelt Adhesive		
THERMastic Adhesive	1.2kg	25lbs./sq./ply
THERM 50 Adhesive	1.2kg	25lbs./sq./ply
POWERply Hot Melt	1.2kg	25lbs./sq./ply
Surfacing		
Gravel Surfacing		
Flood Coat		
THERMastic Adhesive	2.4kg	50lbs.
POWERply Hot Melt	2.4kg	50lbs.
THERM 50 Adhesive	2.4kg	50lbs.
Blacklastic		75lbs.
BURmastic Adhesive		4-5gal
Gravel	19.5kg	400lbs.
Smooth		
Surfacing Emulsion	1.6 L	4 gal
Reflective Coating		As specified for coating

*Note: All coverage rates represent the required average application rate. Tolerances are +/-20% for any point on the roof.

Base + 3

CONFIGURATION:

- THERM 200 Base + 3 Ply
- See Material Requirements
- Base Sheet/Interply Hotmelt Adhesive Options (Below)
- PolyTHERM Felt
- Fastened Base Sheet Mandatory



SUBSTRATE OPTIONS:

(Zones 3 only)

- 2 Course Insulation or 1 Course Insulation

Slope: Positive drainage up to 25% (3:12)

Material Requirements	Quantity	
	/m ²	/100 ft ²
Base Sheets		
BURmastic 300 Ply Sheet	1 ply	1 ply
POWERply Hotmelt Base Sheet Adhesive	1.2kg	25lbs.
THERMastic Adhesive	1.2kg	25lbs.
THERM 50 Adhesive	1.2kg	25lbs.
Ply Sheets		
PolyTHERM Felt	3 plies	3 plies
Interply Hotmelt Adhesive		
THERMastic Adhesive	1.2kg	25lbs./sq./ply
THERM 50 Adhesive	1.2kg	25lbs./sq./ply
POWERply Hot Melt	1.2kg	25lbs./sq./ply
Surfacing		
Gravel Surfacing		
Flood Coat		
THERMastic Adhesive	2.4kg	50lbs.
POWERply Hot Melt	2.4kg	50lbs.
THERM 50 Adhesive	2.4kg	50lbs.
Blacklastic		75lbs.
BURmastic Adhesive		4-5gal
Gravel	19.5kg	400lbs.
Smooth		
Surfacing Emulsion	1.6 L	4 gal
Reflective Coating		As specified for coating

*Note: All coverage rates represent the required average application rate. Tolerances are +/-20% for any point on the roof.