

*modified* PLUS<sup>®</sup>

SUPERIOR ROOFING SYSTEMS



**BAKOR**

# modified

# PLUS<sup>®</sup>

## Severe Climate Conditions

Driving rain, baking heat, bitter cold and ice build-up are just a few of the characteristics of the varied North American climate. A roofing system must be able to survive these damaging elements and provide long term benefits to owners across the continent.

*modifiedPLUS*<sup>®</sup> is an SBS modified bitumen roofing system that can meet the challenge of the elements.

SBS *modifiedPLUS*<sup>®</sup> is designed to provide many “user-friendly” benefits to the applicator and superior long-term performance to the owner. When installed according to specific requirements, the *modifiedPLUS*<sup>®</sup> membrane is guaranteed to remain leakproof.

## Two-Ply Membrane

Two-ply *modifiedPLUS*<sup>®</sup> systems, base and cap, are engineered to provide extended roof life. Alternative systems are available which incorporate two or three-ply BUR applications as the base for *modifiedPLUS*<sup>®</sup> cap sheets.

## Thermal Shock

When a roof is subjected to dramatic temperature change, inferior membranes will often split. The *modifiedPLUS*<sup>®</sup> membrane can withstand repeated movement through cyclical changes in temperature. The product has been tested at -30°C (-22°F), and is strong enough to resist stress due to differential movement between the deck components and the roof covering.

## Extreme Temperature Range

The combination of SBS (Styrene Butadiene Styrene) polymer and bitumen makes *modifiedPLUS*<sup>®</sup> very flexible. Membranes maintain their flexibility to -30°C (-22°F) and resist flow when temperatures exceed 100°C (212°F).

## Toughness, Tensile Strength, and Puncture Resistance

Polyester reinforced membranes provide toughness, high tensile strength and puncture

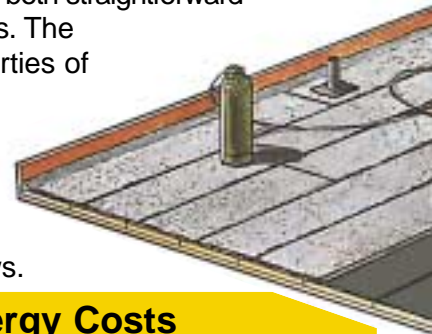
resistance. These features are mandatory for a high performance roofing system. Given the superiority of *modifiedPLUS*<sup>®</sup>, this also makes the system ideal for roof repair and flashing - including BUR roofs. Metal counter flashing can be drastically reduced or eliminated when using *modifiedPLUS*<sup>®</sup>.

## Easy To Maintain

*modifiedPLUS*<sup>®</sup> is a lightweight system (maximum 11.8kg/m<sup>2</sup> or 240 lbs./square). When used in conjunction with Globeglas<sup>®</sup> Re-Cover Board, it is ideally suited for application over existing roofs, and increases live load capabilities. Since no stone cover is required (unlike many other roofing systems), the task of roof inspection is much easier, and repairs become significantly less expensive.

## Greater Flexibility

The flexibility of *modifiedPLUS*<sup>®</sup> means easy application for both straightforward and difficult projects. The elastomeric properties of the membrane account for its ease of handling and fast application by conventional crews.



## Reduced Energy Costs

The ceramic granule surface of *modifiedPLUS*<sup>®</sup>, especially the lighter colors, act as a heat reflector thus reducing the overall building energy costs.

## Choice of Application Methods

**Conventional** - Since *modifiedPLUS*<sup>®</sup> can be applied with traditional roofing asphalt, there is no need for unfamiliar equipment or methods.

**Heat Welding** - An enhanced SBS formulation provides optimum adhesion and enables the product to be applied when the ambient temperature approaches -18°C (0°F).

**Cold Application** - *modifiedPLUS*<sup>®</sup>, when used in a cold applied system, eliminates the need for heating kettles or open flames, while maintaining both high strength and flexibility.



ASPHALT MOPPING		<input type="checkbox"/>
HEAT WELDING	<input type="checkbox"/>	
ADHESIVE		<input type="checkbox"/>
SELF ADHESIVE	<input type="checkbox"/>	
MECHANICAL FASTENERS		<input type="checkbox"/>



*modifiedPLUS*<sup>®</sup> can also be stone covered or in a protected membrane configuration.



**Membrane Flashing** - *modifiedPLUS*<sup>®</sup> is ideal for roof repair and flashing applications - including BUR roofs. Metal counter flashing can be drastically reduced or eliminated.



**Re-cover Board**- Asphaltic board provides ideal substrate over insulation or existing BUR.



**Cold Application** - alternative application of **MBA Gold** Membrane Adhesive and **MB Elastomeric Flashing Cement**.



**Self-Adhered** - *Low Slope*<sup>™</sup> one and two-ply membranes provide self-adhering solutions. **Sloped Application** - ideal for all surfaces including dome, barrel, peaked and flat deck.

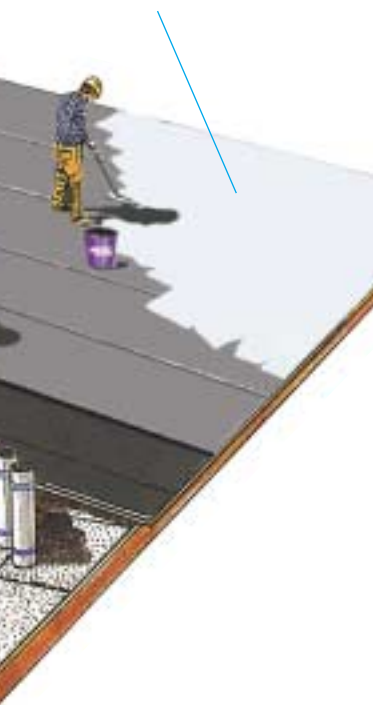


**Conventional Application** - used with traditional asphalt or SEBS polymer mopping asphalt. No need for unfamiliar equipment and methods.

Good roofing practice dictates an ideal slope design of 1:48.

**Granule Surfacing** - adds aesthetics and greater resistance to ultra violet rays for extended durability.

Reflective Coatings - energy savings can be achieved by the use of reflective elastomeric and aluminized coatings over smooth surfaced membranes.



Product	Reinforcement	Thickness	Roll Size	Application
<b>modifiedPLUS® CGSB Series</b>				
BASE SHEETS				
G100s/s	Nonwoven glass	2mm 80 mils	1m X 15m = 15m <sup>2</sup> 39 3/8" X 49'2 1/2" = 161.4ft <sup>2</sup>	
G100p/s	Nonwoven glass	2mm 80 mils	1m X 15m = 15m <sup>2</sup> 39 3/8" X 49'2 1/2" = 161.4ft <sup>2</sup>	
G100p/p	Nonwoven glass	2.5mm 100 mils	1m X 10m = 10m <sup>2</sup> 39 3/8" X 32'9 3/4" = 107.6ft <sup>2</sup>	
NP180s/s	Nonwoven polyester	2.2 mm 90 mils	1m X 15m = 15m <sup>2</sup> 39 3/8" X 49'2 1/2" = 161.4ft <sup>2</sup>	
NP180p/s	Nonwoven polyester	2.2mm 90 mils	1m X 15m = 15m <sup>2</sup> 39 3/8" X 49'2 1/2" = 161.4ft <sup>2</sup>	
NP180p/p	Nonwoven polyester	3mm 120 mils	1m X 10m = 10m <sup>2</sup> 39 3/8" X 32'9 3/4" = 107.6ft <sup>2</sup>	
NP180 Tack Sheet	Nonwoven polyester	3mm 120 mils	1m X 10m = 10m <sup>2</sup> 39 3/8" X 32'9 3/4" = 107.6ft <sup>2</sup>	
G100 Tack Sheet	Nonwoven glass	2.2mm 90 mils	1m X 15m = 15m <sup>2</sup> 39 3/8" X 49'2 1/2" = 161.4ft <sup>2</sup>	
CAP SHEETS				
NP180gM4	Nonwoven polyester	4mm 160 mils	1m X 10m = 10m <sup>2</sup> 39 3/8" X 32'9 3/4" = 107.6ft <sup>2</sup>	
NP180gT4	Nonwoven polyester	4mm 160 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
NP180gT5	Nonwoven polyester	5mm 200 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
NP250gM4	Nonwoven polyester	4mm 160 mils	1m X 10m = 10m <sup>2</sup> 39 3/8" X 32'9 3/4" = 107.6ft <sup>2</sup>	
NP250gT4	Nonwoven polyester	4mm 160 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
NP250gT5	Nonwoven polyester	5mm 200 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
<b>modifiedPLUS® CLASS A (FR) Series</b>				
CAP SHEETS				
G100gM FR	Nonwoven glass	3.7mm 145 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
NP180gM4 FR	Nonwoven polyester	4mm 160 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
NP180gT4 FR	Nonwoven polyester	4mm 160 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
NP250gM4 FR	Nonwoven polyester	4mm 160 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
NP250gT4 FR	Nonwoven polyester	4mm 160 mils	1m X 8m = 8m <sup>2</sup> 39 3/8" X 26'3" = 86ft <sup>2</sup>	
<b>modifiedPLUS® SA</b>				
BASE SHEET				
Bluebase™	Nonwoven glass	1.3mm 53 mils	1m X 20m = 20m <sup>2</sup> 39 3/8" X 65'7 1/2" = 215.2ft <sup>2</sup>	
CAP SHEETS				
SA Cap	Nonwoven polyester	3.2mm 126 mils	1m X 10m = 10m <sup>2</sup> 39 3/8" X 32'9 3/4" = 107.6ft <sup>2</sup>	



RE-COVER BOARD				
Re-cover Board s/s	Nonwoven glass	1/8"-3mm	1.22mm X 1.52m = 1.85m <sup>2</sup> 4' X 5' = 20ft <sup>2</sup>	
Re-cover Board p/s	Nonwoven glass	1/8"-3mm	1.22mm X 2.1m = 1.85m <sup>2</sup> 4' X 5' = 20ft <sup>2</sup>	

# *modified* PLUS<sup>®</sup>

## SUPERIOR ROOFING SYSTEMS



De Paul University, Harold L. Stuart Center,  
Chicago, Il. Protected membrane assembly.  
Contractor R.E. Burke Roofing Ltd.



Our Lady Queen  
of America school,  
Washington, D.C..  
Contractor James  
Myers Co.



Virgil Centennial Arena,  
Niagara-on-the-Lake, ON.  
Contractor Provincial Industrial  
Roofing & Sheet Metal Co.



Tembec Inc.,  
Temiscaming, PQ..  
Contractor Les  
Industries Pard Inc..  
Over 7000 squares of  
*modifiedPLUS*<sup>™</sup>  
on pulp and paper mill  
roof since 1985.



Justice Building -  
Washington, D.C.  
Two-ply protected membrane  
*modifiedPLUS*<sup>™</sup> system.  
Contractor Marangos  
Construction Corp.

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