

# CAP/BASE SHEET DERBIGUM

SMOOTH-SURFACED APP MODIFIED BITUMEN MEMBRANES



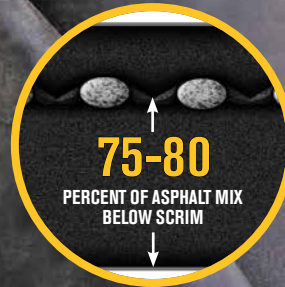
**PERFORMANCE  
ROOF SYSTEMS™**  
A SOPREMA GROUP COMPANY

## APP POLYMER TECHNOLOGY

Our asphalt and APP polymer blending technology allows our membranes to retain light oils more effectively. This gives our membrane exceptional resistance against heat and UV radiation.

## SMOOTH-SURFACED

DERBIGUM membranes do not require a granule surfacing or protective coating. Top placement of the reinforcement layers allows them to filter out harmful UV rays, which cause natural aging.



## TOP-REINFORCED

DERBIGUM membranes are manufactured with the reinforcement layers in the top quarter of the membrane's thickness. A top-reinforced membrane exposes a smaller percentage of the modified bitumen blend.

## EXCEEDING STANDARDS

Manufactured to exceed ASTM standards for Atactic Polypropylene (APP) Modified Bituminous membranes. DERBIGUM cap sheets outperform in strength and thickness.

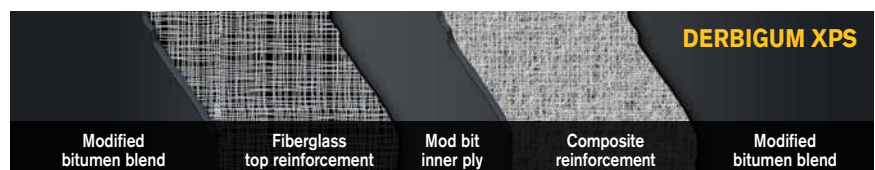
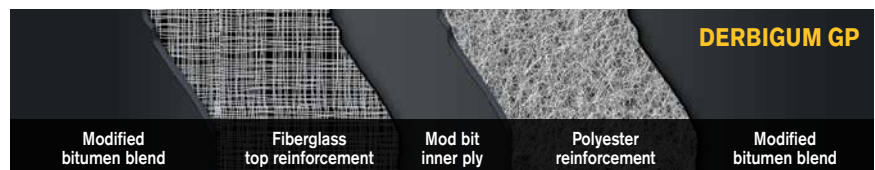
PHYSICAL PROPERTIES	ASTM Test Method	ASTM D6222 Type I, Grade S	DERBIGUM P		ASTM D6223 Type I, Grade S	DERBIGUM GP		ASTM D6223 Type II, Grade S	DERBIGUM XPS	
			MD	XMD		MD	XMD		MD	XMD
Tensile strength @ 0°F; lbf/in	D5147	60	105	85	150	235	190	200	295	319
Tensile strength @ 73°F; lbf/in	D5147	50	80	60	65	145	105	100	151	165
Elongation @ 0°F; %	D5147	10	10	10	3	5	5	3	5	5
Elongation @ 73°F; %	D5147	23	40	45	3	4	4	3	4	5
Tear resistance @ 73°F; lbf	D4073/5147	70	150	95	120	200	180	180	259	265
Thickness; mil	D5147	≥140	152		≥140	160		≥140	160	

## CORE STRENGTH

Performance Roof Systems uses a combination of polyester and fiberglass reinforcements to give our cap sheets better puncture resistance, greater elongation and UV resistance.

SINGLE-REINFORCED	DOUBLE-REINFORCED	TRIPLE-REINFORCED
<b>P</b> Polyester	<b>GP</b> Fiberglass+Polyester	<b>XPS</b> Fiberglass+Composite

A VARIETY OF OPTIONS  
TO MEET ANY PROJECT NEED



For GP and XPS, the polyester and fiberglass reinforcements are laminated together using modified bitumen during the manufacturing process.

## A SOLID FOUNDATION

Look beneath a Performance Roof System's surface and you'll see what sets us apart. We add layers of protection — each with its own purpose and benefits — working together to create a system that lasts.

## REDUNDANCY

All Performance Roof Systems require a minimum of two waterproofing membrane layers. Their redundant structure and overall thickness improve system durability and provide extra assurance against leaks. Multiple layers are difficult to pierce or puncture, further enhancing their ability to withstand stress produced by people or nature.

## MAXIMUM DURABILITY

Cover boards add strength and durability to a roofing system while providing a suitable flat substrate for the roofing membranes. Cover boards can help extend a roof's life by minimizing damage from hail, foot traffic, wind-borne debris and other threats.

## CLIMATE CONTROL

Insulation is a critical component of a roofing system and significantly contributes to a building's overall energy efficiency. DERBIBOARD is available in a variety of thicknesses and helps maintain a building's interior temperature.

## MOISTURE BLOCK

The primary function of a vapor barrier is to prevent moisture-laden air from a building's interior from moving into the roof assembly. Damage from water condensation can wreak havoc and threaten the thermal efficiency of roofing insulation.

Performance Roof Systems has produced APP (Atactic Polypropylene) modified bitumen membranes for over 50 years. Formulated with high flexibility and exceptional resistance to harsh environments, Performance Roof Systems delivers long-term waterproofing solutions.



### CAP SHEETS

PRODUCT	ASTM	REINFORCEMENT	SURFACING	THICKNESS (mil)	COVERAGE (ft <sup>2</sup> )	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
DERBIGUM P	D6222 Type I, Grade S	Polyester	Smooth	152 (3.9 mm)	100 (9.2 m <sup>2</sup> )	96 (43.5 kg)	20 (1,920 lb/870 kg)
DERBIGUM GP DERBIGUM GP-FR	D6223 Type I, Grade S	Polyester + Fiberglass	Smooth	160 (4.0 mm)	100 (9.2 m <sup>2</sup> )	98 (44.5 kg)	20 (1,960 lb/890 kg)
DERBIGUM XPS DERBIGUM XPS-FR	D6223 Type II, Grade S	Polyester + Composite	Smooth	160 (4.0 mm)	100 (9.2 m <sup>2</sup> )	98 (44.5 kg)	20 (1,960 lb/890 kg)