

## Mirafi® MPV Paving Fabric

### Nonwoven Asphalt Overlay Paving Fabric

#### OUR COMPANY

TenCate develops and produces materials that function to increase performance, reduce costs and deliver measurable results by working with our customers to provide advanced solutions.

#### OUR PRODUCT

Asphalt overlays and surface treatments, such as chip seals, are often used to extend the life of existing pavements and slow reflective cracking.

These treatments still allow water into your pavement system, and the surface water penetration, subgrade saturation, and reflective crack cycle continues.

Mirafi® MPV paving fabric gives pavement a waterproof barrier to protect subgrade soils from surface water and a stress-relieving interface to retard reflective cracking and improve fatigue resistance.

The Difference Mirafi® MPV Paving Fabric Makes:

- Prevents penetration of surface water into the subgrade.

- Contains a stress-relieving interface that retards reflective cracking.
- Improves fatigue resistance of new overlays.
- Comes in different weights for varying degrees of maintenance needs.
- Well suited for different grades of tack coat, including polymer-modified tack coats.
- Can be used in a wide range of climates

#### APPLICATIONS

Mirafi® MPV paving fabric is specifically designed for use with new asphalt pavements, asphalt overlays and surface treatments.

Mirafi® MPV paving fabric is ideal for:

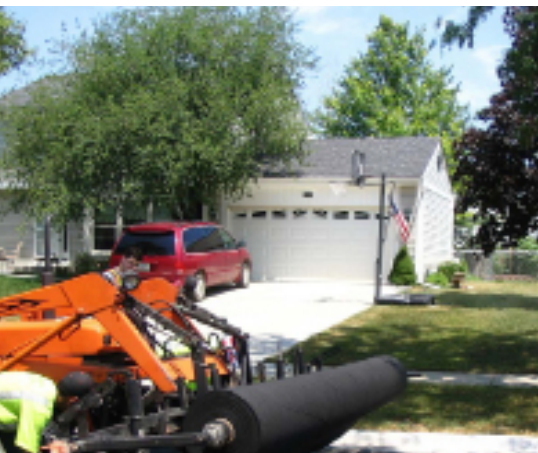
- Highways
- Streets
- Parking Lots
- Bridges
- Airports
- Golf Cart Paths
- Playgrounds



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When surface water causes problems in any of these pavements, Mirafi® MPV paving fabric prevents penetration of surface water into the subgrade, allowing it to stabilize and stay dry; thus extending the life of your pavement. For areas where freeze/thaw is a problem, a heavier Mirafi® MPV paving fabric with a polymer-modified tack coat may be ideal. Placing a Mirafi® MPV paving fabric interlayer under chip seal provides additional water proofing benefits to help keep your subgrade dry and can more than double the life of a chip seal.

Mirafi® MPV paving fabrics are needle-punched, polypropylene, heat set, non-woven geotextiles with high asphalt absorption. When installed with sufficient asphalt cement tack coat on a properly prepared surface, Mirafi® MPV paving fabric and the tack coat form an impermeable fabric interlayer system that is fully recyclable and adds long-term life-cycle and cost benefits to your pavement.



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#### Technical Data (All values are minimum average roll values)

Property	Test Method	Units	MPV400	MPV500 <sup>1</sup>	MPV600 <sup>1</sup>	MPV700
Grab Tensile Strength	ASTM D4632	lbs (N)	90 (401)	101 (450)	125 (556)	150 (668)
Grab Tensile Elongation	ASTM D4632	%	50	50	50	50
Asphalt Retention <sup>2</sup>	ASTM D6140	gal/yd <sup>2</sup> (l/m <sup>2</sup> )	≥ 0.20 (0.91)	≥ 0.20 (0.91)	≥ 0.22 (1.0)	≥ 0.25 (1.14)
Melting Point <sup>3</sup>	ASTM D276	°F (°C)	325 (163)	325 (163)	325 (163)	325 (163)
Mass per unit area	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	3.5 (119)	4.1 (140)	4.6 (156)	6.0 (203)
UV Resistance (at 500 hours) <sup>2</sup>	ASTM D4355	% strength	70	70	70	70

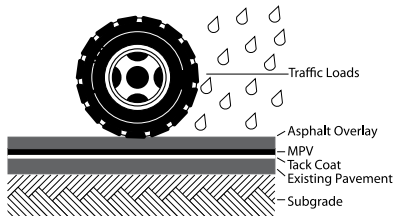
<sup>1</sup>NTPEP Compliant <sup>2</sup>Minimum Test Value <sup>3</sup>Based on Temperature Results from TRI

#### Mirafi® MPV Packaging

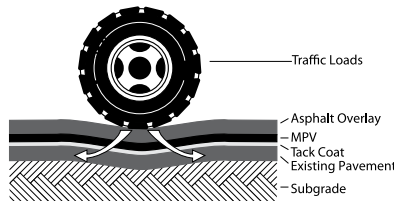
Physical Property	Units	MPV400	MPV500	MPV600	MPV700
Roll width	ft	10.5 12.5	10.5 12.5 14.5	12.5	12.5
	m	3.2 3.8	3.2 3.8 4.4	3.8	3.8
Roll length	ft	360 360	360 360 360	360	360
	m	110 110	110 110 110	110	110
Roll area	yd <sup>2</sup>	420 500	420 500 580	500	500
	m <sup>2</sup>	351 418	351 418 485	418	418
Estimated roll weight	lbs	106 126	118 141 163	169	222 Additional widths available upon request.
	kg	48 57	54 64 74	77	101

#### Recommended Applications

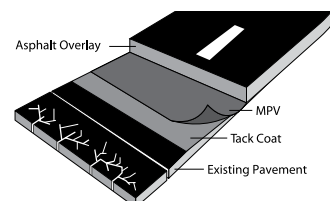
Physical Property	Units	MPV400	MPV500	MPV600	MPV700
Climate conditions		Warm	Moderate	Cold	Freeze/Thaw
Min. asphalt overlay	in (cm)	1.5 (3.81)	1.5 (3.81)	2.0 (5.08)	2.0 (5.08)



Mirafi® MPV provides a waterproof barrier for subgrade foundation protection



Mirafi® MPV improves the fatigue resistance of the overlay to traffic loads (stress relieving layer)



Mirafi® MPV reduces the reflection of an existing crack through the new overlay

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