



## Mirafi® MPV 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

### OUR 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

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



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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.

### OUR PROCESS

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.

### OUR SERVICE

TenCate™ offers complete application technical assistance. Our comprehensive service includes assistance during design, specification and throughout the process. TenCate™ makes the difference.



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## Nonwoven Asphalt Overlay Fabric

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

Property	Test Method	Units	MPV400	MPV500	MPV600	MPV700
Grab tensile strength	ASTM D 4632-91	kN (lbs)	0.40 (90)	0.45 (101)	0.54 (120)	0.67 (150)
Grab tensile elongation	ASTM D 4632-91	%	50	50	50	50
Grab tensile asphalt saturated	ASTM D 4832-91 <sup>1</sup>	kN (lbs)	0.89 (200)	0.90 (200)	-	-
Grab tensile elongation asphalt saturated	ASTM D 4533-91 <sup>1</sup>	%	40-70	40-70	-	-
Mullen burst strength	ASTM D 3786-87	kPa (psi)	1240 (180)	1378 (200)	1584 (230)	1998 (290)
Asphalt retention	ASTM D 6140-00	l/m <sup>2</sup> (gal/yd <sup>2</sup> ) (oz/ft <sup>2</sup> )	1.13 (0.25) (3.6)	1.13 (0.25) (3.6)	1.18 (0.26) (3.7)	1.36 (0.3) (4.3)
Change in area asphalt saturated	TX DOT 3099	%	+/- 15	+/- 15	-	-
Melting point	ASTM D 276-00	°C (°F)	163 (325)	163 (325)	163 (325)	150 (300)
Mass per unit area	ASTM D 5261-01	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	119 (3.5)	139 (4.1)	156 (4.6)	203 (6.0)

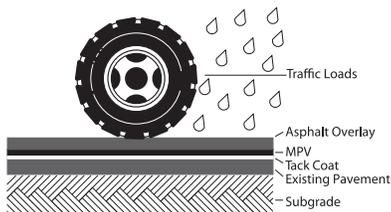
### Mirafi® MPV Packaging

Physical Property	Units	MPV 400			MPV 500			MPV 600	MPV 700
Roll width	m	3.2	3.8	4.4	3.2	3.8	4.4	3.81	3.8
	ft	10.5	12.5	14.5	10.5	12.5	14.5	12.5	12.5
Roll length	m	110	110	110	110	110	110	110	110
	ft	360	360	360	360	360	360	360	360
Roll area	m <sup>2</sup>	351	418	484	351	418	484	418	418
	yd <sup>2</sup>	420	500	580	420	500	580	500	500
Estimated roll weight	kg	52	62	72	61	72	84	80	101
	lbs	115	137	159	134	159	184	178	222

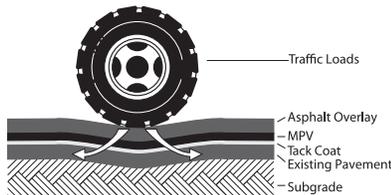
Additional widths available upon request.

### Recommended Applications

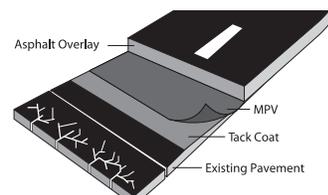
Physical Property	Units	MPV 400	MPV 500	MPV 600	MPV 700
Climate conditions		Warm	Moderate	Cold	Freeze/Thaw
Min. asphalt overlay	cm (in)	3.18 (1.25)	3.81 (1.50)	5.08 (2.0)	6.35 (2.5)



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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