



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 with a polymer-modified tack coat may be ideal. Placing a Mirafi® MPV paving



Mirafi® MPV Nonwoven Asphalt Overlay Paving Fabric

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.



Mirafi® MPV Paving Fabric

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 D4632	lbs (N)	90 (401)	101 (449)	120 (534)	668 (150)
Grab tensile elongation	ASTM D4632	%	50	50	50	50
Grab tensile asphalt saturated	ASTM D4832 ¹	lbs (N)	200 (890)	220 (979)	-	-
Grab tensile elongation asphalt saturated	ASTM D4533 ¹	%	40-70	40-70	-	-
Asphalt retention	ASTM D6140	gal/yd ² (l/m ²)	0.25 (1.1)	0.27 (1.2)	0.3 (1.2)	0.3 (1.4)
Change in area asphalt saturated	TX DOT 3099	%	+/- 15	+/- 15	-	-
Melting point	ASTM D276	°F (°C)	325 (163)	325 (163)	325 (163)	325 (163)
Mass per unit area	ASTM D5261	oz/yd ² (g/m ²)	3.5 (119)	4.1 (140)	4.6 (156)	6.0 (203)

Mirafi® MPV Packaging

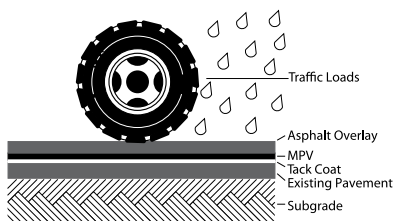
Physical Property	Units	MPV400			MPV500			MPV600	MPV700
Roll width	ft	10.5	12.5	14.5	10.5	12.5	14.5	12.5	12.5
	m	3.2	3.8	4.4	3.2	3.8	4.4	3.8	3.8
Roll length	ft	360	360	360	360	360	360	360	360
	m	110	110	110	110	110	110	110	110
Roll area	yd ²	420	500	580	420	500	580	500	500
	m ²	351	418	484	351	418	484	418	418
Estimated roll weight	lbs	106	126	146	125	149	173	170	222
	kg	48	57	66	57	67	78	77	101

Additional widths available upon request.

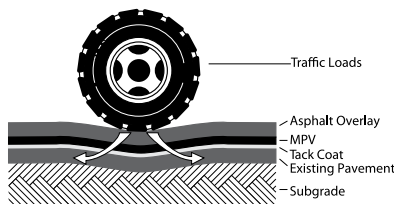
Recommended Applications

Physical Property	Units	MPV400	MPV500	MPV600	MPV700
Climate conditions		Warm	Moderate	Cold	Freeze/Thaw
Min. asphalt overlay	in (cm)	3.18 (1.25)	3.81 (1.50)	5.08 (2.0)	6.35 (2.5)

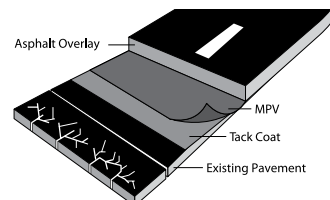
¹Modification to procedure: Sample is saturated with Asphalt.



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

TenCate™ Geosynthetics North America does not assume liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate™ Geosynthetics North America disclaims any and all express, implied, statutory standards, warranties, guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

Mirafi® is a registered trademark of Nicolon Corporation.

© 2010 TenCate Geosynthetics North America

PDS.MPV0911

365 South Holland Drive Tel 800 685 9990 Fax 706 693 4400
 Pendergrass, GA 30567 Tel 706 693 2226 www.mirafi.com

