



## 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



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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 <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>2</sup>                | ASTM D276   | °F (°C)                                 | 320 (160)     | 320 (160)           | 320 (160)           | 320 (160)     |
| 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

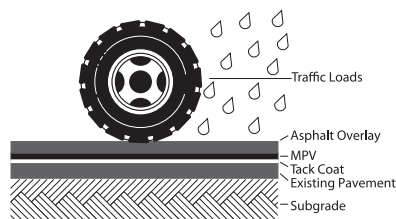
#### Mirafi® MPV Packaging

| 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    |
|                       | kg              | 48 57     | 54 64 74       | 77     | 101    |

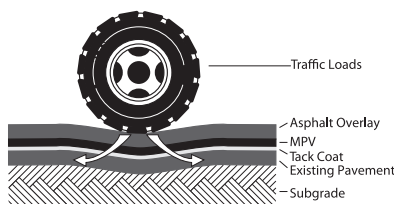
Additional widths available upon request.

#### Recommended Applications

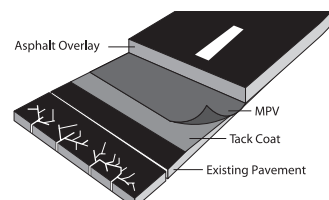
| Physical Property    | Units   | MPV400     | MPV500     | MPV600     | MPV700      |
|----------------------|---------|------------|------------|------------|-------------|
| Climate conditions   |         | Warm       | Moderate   | Cold       | Freeze/Thaw |
| Min. asphalt overlay | in (cm) | 1.5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