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.

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 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 lifecycle 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.
Technical Data (All values are minimum average roll values)

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Units</th>
<th>MPV400</th>
<th>MPV500</th>
<th>MPV600</th>
<th>MPV700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grab Tensile Strength</td>
<td>ASTM D4632</td>
<td>lbs (N)</td>
<td>90 (401)</td>
<td>101 (450)</td>
<td>125 (556)</td>
<td>150 (668)</td>
</tr>
<tr>
<td>Grab Tensile Elongation</td>
<td>ASTM D4632</td>
<td>%</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Asphalt Retention</td>
<td>ASTM D6140</td>
<td>gal/yd² (l/m²)</td>
<td>≥ 0.20 (0.91)</td>
<td>≥ 0.20 (0.91)</td>
<td>≥ 0.22 (1.0)</td>
<td>≥ 0.25 (1.14)</td>
</tr>
<tr>
<td>Melting Point</td>
<td>ASTM D276</td>
<td>°F (°C)</td>
<td>325 (163)</td>
<td>325 (163)</td>
<td>325 (163)</td>
<td>325 (163)</td>
</tr>
<tr>
<td>Mass per unit area</td>
<td>ASTM D5261</td>
<td>oz/yd² (g/m²)</td>
<td>3.5 (119)</td>
<td>4.1 (140)</td>
<td>4.6 (156)</td>
<td>6.0 (203)</td>
</tr>
<tr>
<td>UV Resistance (at 500 hours)</td>
<td>ASTM D4355</td>
<td>% strength</td>
<td>70</td>
<td>70</td>
<td>70</td>
<td>70</td>
</tr>
</tbody>
</table>

![Mirafi MPV Packaging](image)

Recommended Applications

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Units</th>
<th>MPV400</th>
<th>MPV500</th>
<th>MPV600</th>
<th>MPV700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climate conditions</td>
<td>Warm</td>
<td>1.5 (3.81)</td>
<td>1.5 (3.81)</td>
<td>2.0 (5.08)</td>
<td>2.0 (5.08)</td>
</tr>
<tr>
<td>Min. asphalt overlay</td>
<td>in (cm)</td>
<td>1.5 (3.81)</td>
<td>1.5 (3.81)</td>
<td>2.0 (5.08)</td>
<td>2.0 (5.08)</td>
</tr>
</tbody>
</table>

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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