



## Mirafi® MTK and MTK 700 Paving Fabric Self-Adhering Waterproofing Membrane

### 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

As pavement ages, imperfections appear, joints become prominent and cracks occur. Mirafi® MTK and MTK 700 paving fabrics are engineered, impervious membranes specifically designed to function as a moisture barrier on existing roadways, bridge decks, and airport runways and taxiways to prevent water permeation or penetration through pavement surfaces.

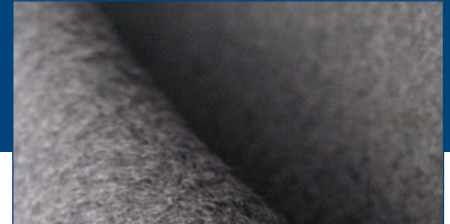
Mirafi® MTK and MTK 700 paving fabrics add durability and extend the life cycle of a pavement system by reducing water percolation and moisture penetration throughout the pavement system into the sub-base. They also provide excellent stress-relief (reflective crack reduction) for moderate to severe pavement cracks and joints.

The Difference Mirafi® MTK and MTK 700 Paving Fabrics Make:

- Prevents surface moisture intrusion.

- Easy and inexpensive to install.
- Reduces structural decay of pavement.
- Reduces traffic disruption.
- Sticks readily to concrete, asphalt or wood decks.
- Can be installed in a wide range of temperatures.
- Minimizes reflective cracking by bridging transverse and longitudinal cracks.
- Minimizes reflective cracking between dissimilar surfaces.
- Stretches to span cracks without breaking.

Mirafi® MTK and MTK 700 paving fabrics are unique, cost-effective waterproofing membranes comprised of a self-adhering, rubberized, asphalt mastic and a geotextile fabric. A convenient peel-n-stick release paper covers the self-adhesive mastic, and is removed prior to installation on both products. Mirafi® MTK paving fabric is made with a non-woven polypropylene geotextile fabric and is appropriate for use over moderate cracks. Mirafi® MTK 700 paving fabric is made with a strong, woven polypropylene geotextile fabric and is ideal for use over severe cracks and joints.



Mirafi® MTK Paving Fabric



Mirafi® MTK 700 Paving Fabric

### OUR APPLICATIONS

Mirafi® MTK and MTK 700 paving fabrics provide long term reinforcement that extends the life of pavement in the following applications:

- Highway and street surfaces
- Transverse and longitudinal highway joints & cracks
- Lane-widening joints
- Taxiways and runways
- Bridge deck restoration



## Mirafi® MTK and MTK 700 Paving Fabric

### Self-Adhering Waterproofing Membrane

#### Mirafi® MTK Technical Data (All values are typical values)

| Property                | Test Method                        | Units         | Typical Values                            |
|-------------------------|------------------------------------|---------------|---|
| Grab tensile strength   | ASTM D 4632                        | kN (lbs)      | 0.9 (200)                                 |
| Grab tensile elongation | ASTM D 4632                        | %             | 80  |
| Puncture strength       | ASTM E 154                         | kN (lbs)      | 0.9 (200)                                 |
| Permeance               | ASTM E 96 method B                 | perms         | 0.10 max                                  |
| Strip tensile           | ASTM D 882, modified               | kN/m (lbs/in) | 8.8 (50)                                  |
| Pliability              | 1/4" mandrel 180° @ -25°F (31.7°C) | -             | No cracks in fabric or rubberized asphalt |
| Thickness               | ASTM D 5199                        | mm (mils)     | 2.0 (79)                                  |

#### Mirafi® MTK Packaging

| Roll Dimensions                | Packaging   | Weight/Box     |
|--------------------------------|-------------|----------------|
| .30 m x 15.2 m (12 in x 50 ft) | 2 rolls/box | 30 kg (65 lbs) |
| .46 m x 15.2 m (18 in x 50 ft) | 1 roll/box  | 30 kg (65 lbs) |
| .60 m x 15.2 m (24 in x 50 ft) | 1 roll/box  | 40 kg (88 lbs) |
| .91 m x 15.2 m (36 in x soft)  | 1 roll/box  |                |

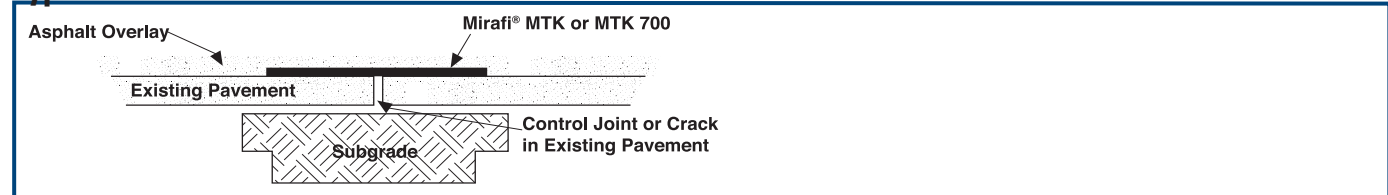
#### Mirafi® MTK 700 Technical Data (All values are typical values)

| Property            | Test Method                        | Units         | Typical Values                            |
|---------------------|------------------------------------|---------------|---|
| Strip tensile       | ASTM D 882, modified               | kN/m (lbs/in) | 9.3 (.53)                                 |
| Puncture resistance | ASTM E 154                         | kN (lbs)      | 0.9 (200)                                 |
| Permeance           | ASTM E 96, method B                | (perms)       | 0.05 (max)                                |
| Pliability          | 1/4" mandrel 180° @ -25°F (31.7°C) | -             | No cracks in fabric or rubberized asphalt |
| Thickness           | ASTM D 3767                        | mm (in)       | 1.7 (65)                                  |

#### Mirafi® MTK 700 Packaging

| Roll Dimensions                | Packaging   | Boxes Per Pallet |
|--------------------------------|-------------|------------------|
| .30 m x 18.3 m (12 in x 60 ft) | 3 rolls/box | 16               |
| .46 m x 18.3 m (18 in x 60 ft) | 2 rolls/box | 16               |
| .60 m x 18.3 m (24 in x 60 ft) | 2 rolls/box | 24               |
| .91 m x 18.3 m (36 in x 60 ft) | 1 roll/box  | 25               |

#### Typical Cross Section



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