



**EVERLIFE UT<sup>®</sup>**

**DURABLE THINLAY  
MIX FOR MUNICIPAL  
AND RURAL ROADS**

Designed to provide superior rut and fatigue resistance

Enhanced resistance to extremely low-temperature cracking



## PRODUCT DESCRIPTION

**EVERLIFE UT®** is an engineered dense-graded asphalt mixture designed for single lifts less than 25 mm in thickness placed using conventional production and paving equipment.

**EVERLIFE UT®** is a high-performance asphalt mix designed to provide longer durability than other surface treatments. This mix is formulated to seal pavement structures with relatively good drainage.

**EVERLIFE UT®** is engineered to enhance smoothness characteristics and achieve a better ride, while also helping reduce noise levels generated.

**EVERLIFE UT®** is cost-effective and can be tailored to address specific traffic volumes and climatic conditions in order to provide superior flexibility in low temperatures and a high level of resistance to rutting at higher temperatures. This mix can also be produced at lower temperatures than conventional hot mix asphalt, thereby reducing its greenhouse gas emissions and lowering the process's energy consumption. Consequently, compaction temperatures are lower, reducing fumes, decreasing mix oxidation and improving jobsite safety throughout the paving process.

## FEATURES AND BENEFITS

- Customer-specified aggregates with gradations designed to provide superior rut and fatigue resistance
- Increased asphalt cement content gives the mix high durability and extends its fatigue life under repetitive traffic
- Uses highly polymer-modified asphalt cement
- Engineered binder provides an enhanced resistance to extremely low-temperature cracking

## RECOMMENDED USE

- Surfacing and sealing of rural roads and residential subdivisions with low to medium traffic
- Works best when combined with a high performance tack coat such as McAsphalt's **CLEAN BOND COAT** emulsion or a granular sealer, such as **ENVIROPREM** emulsion primer when used over existing or corrected granular substrate

PROPERTY	SPECIFICATIONS	
	Min.	Max.
<b>Gradation</b>		
9.50 mm, % passing	100	-
4.75 mm, % passing	85	100
0.075 mm, % passing	6	12
<b>Performance Requirements and Applications</b>		
Marshall Stability, 22°C, kN	7200	-
Flow Index, 0.25 mm	8	-
Fatigue Life by Semi-Circular Bending (SCB) (AASHTO TP 124), I-FIT value	15	-

## EVERLIFE UT® POLYMER-MODIFIED ASPHALT

**EVERLIFE UT® PMA®** contains specialty modifiers and additives that improve mix handling during production and provide more workability at lower temperatures in the field when compared to traditional hot mix asphalt, all while achieving its targeted in-situ mix density.

**EVERLIFE UT PMA®** is engineered to provide resistance to various distresses such as:

- rutting at higher pavement temperatures
- fatigue at intermediate and freeze-thaw temperatures
- thermal cracking at low pavement temperatures

## DESIGN GUIDELINES

**EVERLIFE UT®** asphalt mix specifications will vary depending on jurisdictions and local practices.

**MCA Engineering Services** will design a custom mix to meet all relevant specifications and performance criteria.

Our technical team will:

- custom-select and formulate the highly modified **EVERLIFE UT PMA®** required
- select the appropriate aggregate and blending proportions
- create a mix design, carry out performance testing, and recommend application processes



THE RIGHT MIX

1 800.268.4238

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ISO 9001/14001/45001

## CERTIFICATION OF QUALITY

McAsphalt Industries Limited is accredited to the quality management standard ISO 9001, the environmental management standard ISO 14001, and the occupational health and safety standard ISO 45001.

McAsphalt's quality control plan is available to you, providing guidance on the production, laydown, and compaction techniques required to correctly apply **EVERLIFE UT®**. In addition, our team of experts is always available to offer unsurpassed technical support during the construction phase.

Each lot of **EVERLIFE UT®** is produced using the strictest quality, safety, and environmental guidelines. Each production lot is tested to ensure it meets or exceeds all performance requirements and is delivered with a Certificate of Analysis.

The quality control plan will ensure that:

- the **EVERLIFE UT®** is produced at the recommended temperature
- the **EVERLIFE UT PMA®** is formulated to meet or exceed requirements and is shipped at the correct temperature
- the appropriate lay-down equipment is utilized
- the proper mix compaction best practices are utilized to achieve **EVERLIFE UT®**'s target in-situ density

## PRODUCT SUPPORT

With the **MCA Advantage**, you get a partner and advisor who will consult with you about designs, specifications, technical services, processes, and material selection. By developing innovative, custom-designed products that offer additional benefits such as peak performance in unique conditions, improved field performance, and greater environmental and health benefits, the **MCA Advantage** provides significant long-term cost savings, resulting in lower total cost of ownership.



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