

EVERLIFE RECYCLE

COLD MIX ASPHALT FOR RURAL ROADS WITH LOW OR MEDIUM TRAFFIC VOLUME

PRODUCT DESCRIPTION

EVERLIFE RECYCLE is a cold mix asphalt made from crushed and sieved Reclaimed Asphalt Pavement (RAP) and/or virgin aggregates. The cold mix is applied as a single layer on the existing pavement surface or as a base layer on rural roads with low or medium traffic.

Due to the wide availability of RAP, **EVERLIFE RECYCLE** is an environmentally friendly and cost-effective solution for agencies and road owners, preserving natural resources while providing taxpayers with sustainable and economical road structures.

EVERLIFE RECYCLE is produced from a custom-made bituminous emulsion. It offers excellent mixing, coating, and adhesion properties when paired with various types of virgin and/or recycled aggregates.

EVERLIFE RECYCLE relies on extensive laboratory performance testing to evaluate rutting resistance in hot summer temperatures. This asphalt is also very resistant to fatigue throughout its service life.

DESIGN GUIDELINES

The specifications of **EVERLIFE RECYCLE** asphalt vary according to local governments and practices. Therefore, McAsphalt Engineering Services design the asphalt to meet all required performance criteria and specifications:

- Formulation of tailor-made bituminous emulsion formulations
- Selection and mixing of RAP and/or aggregates
- Mixture design that meets all volumetric requirements, guaranteeing an optimum bitumen content and layer thickness
- Rutting and fatigue performance tests
- Recommendations concerning application
- Support during production and application

RECOMMENDED USE

EVERLIFE RECYCLE is a simple and cost-effective solution, cold-installed with the help of traditional paving equipment. This asphalt is ideal for the construction or maintenance of rural roads with low or medium traffic (up to 400 vehicles per day).

EVERLIFE RECYCLE asphalt is also suitable for stabilizing shoulders to prevent siltation and the erosion that sometimes affects conventional gravel in shoulders.

EVERLIFE RECYCLE can be manufactured in several ambient temperature ranges and in some cases can be stored for several months before installation. In addition, this asphalt can be produced using a "pugmill" type mixer or in a conventional asphalt mixing plant.

EVERLIFE RECYCLE-S

- Ideal coating on a granular layer. Scarification and shaping is necessary.
- Stabilization of the shoulder
- Access roads and farm entrances

EVERLIFE RECYCLE-B

- Base coat on a newly laid granular base. Scarification and shaping is necessary.

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**.

Each lot of **EVERLIFE RECYCLE** 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.



MCASPHALT INDUSTRIES LIMITED

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ISO 9001/14001/45001

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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.

SPECIFICATIONS

TEST	EVERLIFE RECYCLE-S		EVERLIFE RECYCLE-B	
	Min	Max	Min	Max
Sieve Size				
28 mm, % passing	-	-	-	100
20 mm, % passing	-	-	90	100
14 mm, % passing	-	100	-	-
10 mm, % passing	90	100	-	-
5 mm, % passing	60	75	35	50
630 µm, % passing	20	35	3	15
80 µm, % passing	1.0	15	2	8
Marshall Stability, 22°C, kN	10	-	8	-
Flow Index, 0.25 mm	15	-	10	-
Rutting Resistance (APA), 58°C, 100 psi, 8000 cycles (AASHTO T 340)	-	12	-	12
Fatigue Life by Semi-Circular Bending (SCB), I-FIT value (AASHTO TP 124)	10	-	7	-
Raveling Test, loss (ASTM D 7196)	-	7	-	7
Layer Thickness, mm (in)	Min. 50 (2)		Min. 100 (4)	



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