



EVERLIFE RECYCLE®

**COLD-MIXED
COLD-LAID ASPHALT
FOR RURAL ROADS
WITH LOW TO MEDIUM
TRAFFIC VOLUME**

Made from crushed and sieved Reclaimed Asphalt Pavement and a custom-made bituminous emulsion with the possible addition of corrective aggregates

Very resistant to fatigue cracking

Environmentally friendly and cost-effective

PRODUCT DESCRIPTION

EVERLIFE RECYCLE® is a cold-mix, cold-laid asphalt made from crushed and screened Reclaimed Asphalt Pavement (RAP) with the possible addition of corrective aggregates. This revolutionary mixture is applied as a single layer on the existing pavement surface or as a base layer on rural roads with low to 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 infrastructure solutions.

EVERLIFE RECYCLE® is produced in conjunction with a custom-made bituminous emulsion. It offers excellent mixing, coating, and adhesion properties when paired with various types of virgin and 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.

EVERLIFE RECYCLE-S® (SURFACE)

- Ideal for use as a surface on a granular layer. Scarification and shaping are necessary
- Can be used for stabilization of the shoulder
- Ideal for access roads and farm entrances

EVERLIFE RECYCLE-B® (BASE)

- Can be used as a base coat on a newly laid granular surface. Scarification and shaping are necessary

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.

PROPERTY	SPECIFICATIONS			
	RECYCLE-S		RECYCLE-B	
	Min.	Max.	Min.	Max.
Gradation				
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	-
Fatigue Life by Semi-Circular Bending (SCB) (AASHTO TP 124), 25°C, I-FIT value	10	-	7	-
Rutting Performance (APA) (AASHTO T 320), 58°C, 100 psi, 8000 cycles, mm	-	12	-	12
Raveling Test (ASTM D 7196), loss	-	7	-	7
Layer Thickness, mm (in)	50 (2)	-	100 (4)	-

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 to medium traffic (up to 400 vehicles per day).

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

EVERLIFE RECYCLE® can be manufactured in several ambient temperature ranges and in some cases can be stockpiled for several months before installation. In addition, this asphalt can be produced using a “pugmill” type mixer or in a conventional hot mix asphalt plant.



THE RIGHT MIX

1 800.268.4238

mcasphalt.com

ISO 9001/14001/45001

DESIGN GUIDELINES

The specifications of **EVERLIFE RECYCLE®** asphalt vary according to local governments and practices. **MCA Engineering Services** design the customized asphalt to meet or exceed all required performance criteria and specifications.

Our technical team will:

- formulate tailor-made bituminous emulsions
- select ideal RAP sources required with the possible addition of corrective aggregates
- design mixtures that meet all volumetric requirements, guaranteeing an optimum bitumen content and film thickness
- complete rutting and fatigue performance tests
- provide recommendations concerning application and best practices
- provide support during production and application phases

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, lay-down, and compaction techniques required to correctly apply **EVERLIFE RECYCLE®**. In addition, our team of experts is always available to offer unsurpassed technical support during the construction phase.



THE RIGHT MIX

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