



Cold-Mixed/Cold-Laid Asphalt for Low to Medium Volume Roads

EVERLIFE RECYCLE®

Let's reuse our precious resources!

For several years now, the roadbuilding industry has been developing innovative recycling techniques to reuse existing pavement materials in order to give them a second life. EverLife Recycle® is a cold-mixed/cold-laid asphalt consisting of bituminous emulsion combined with crushed and screened reclaimed asphalt pavement (RAP). It is placed using traditional paving techniques to form a new surface or base layer. This new, homogeneous layer can be applied on a granular surface or as an overlay and can be used as is or covered with a surface treatment such as chip seal, micro, or slurry.



The industry's top experts for over 50 years, offering products and services from 29 strategically located terminals across Canada, coast to coast.

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ISO 9001/14001/45001

THE MCA ADVANTAGE

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 a lower “total cost of ownership.”

Asphalt Recycled in North America

RAP must be part of the economic and environmental solutions in our local infrastructures. These types of techniques are used across Canada and North America.

Manufacturing Options:

Hot mix asphalt plant

Reclaimed asphalt pavement (RAP) is heated slightly at the plant to reduce the moisture content, after which a precise amount of asphalt emulsion is added during the cold mixing process. The mixture is then ready to be transported to the job site and placed using a conventional paver or stockpiled for later use.

Portable “pugmill” mixing plant

RAP is cold-mixed with a precise amount of asphalt emulsion using a portable “pugmill” mixing plant. The mixture is then ready to be transported to the job site and placed using a conventional paver or stockpiled for later use. Ideally, RAP piles should be covered to reduce internal moisture content. However, if this isn’t possible, special attention should be paid to weather conditions as RAP will not be preheated.



Advantages and Benefits

Economic

- Uses less virgin materials, resulting in reduced transportation and fuel costs
- Reduction of road maintenance needs
- Reduced overall production and laydown costs

Environmental

- Lower carbon footprint than traditional paving operations:
 - Reuse of existing materials
 - Decrease in fuel consumed by production and transportation
- Reduction of loose particles and dust

Performance

- Increase in the bearing capacity of the roadway
- Extends the useful life and performance of the pavement
- Techniques used for several years on municipal roads across Canada

When applied on a granular surface:

- Increased user safety
- Reduction of loose particles and dust

Social

- Quickly reopen roadways to traffic
- Reduced impact on users
- Enhanced ride quality



THE RIGHT MIX

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