



BECK Sound Barrier Systems and Rubber-Asphalt Layers, Inc.



Rubber-Asphalt

Rubber-asphalt products

Beck Sound Barrier Systems and Rubber-Asphalt Layers, Inc. will provide rubber-asphalt material to organizations in the public and private sectors including municipalities, construction and paving companies and individual businesses and homeowners.

Using rubber-asphalt for paving road surfaces reduces road noise, reflective cracking, rutting, improves skid resistance, reduces road maintenance costs and increases pavement life while also reducing the volume of used tires that would otherwise be discarded or take up space in landfills.

Rubber-asphalt has been known to improve the rheological properties at low and high temperatures and provide a life up to three times longer than conventional asphalt. Even though rubber-asphalt may cost up to 100 % more than regular asphalt, the advantages justify the added cost. The benefits of using rubber-asphalt include decreased thermal cracking, potholing, deformation, reflective cracking and ice formation and an extended road life up to three times longer than normal asphalt.

The blending of asphalt with reclaimed tire rubber expands the useful temperature range of the asphalt and increases impermeability while also showing better rheological performance over a wider range of temperature. Generally, to improve the low temperature performance of standard asphalt (without rubber modification) a high boiling point petroleum oil is added to make the asphalt which is both economically and ecologically undesirable.



