

Cold Constructed Asphalt Pavements

Economic Alternative to

Full Reconstruction



Production

The process for producing CCAP mix starts with the asphalt binder and a chosen aggregate gradation.

The binder is delivered to the site where the cold mix is to be produced. Production of the mixture is then performed with a pug mill system at ambient temperatures resulting in low emissions and reduced energy consumption. The pug mill system allows aggregates to be blended in a controlled manner and passed through a mixing chamber where a set amount of asphalt binder is combined with the aggregate. The finished CCAP mixture is then loaded and delivered to the paving site or stockpiled until ready for placement.

Mixture Design & Quality Control

CCAP products have been proven to be successful in the laboratory and field based on thoroughly developed and proven Job Mix Formulas (JMF), to produce years of performance on roads just like yours.

Description

Cold Constructed Asphalt Pavement (CCAP) is a chemically modified asphalt product based on gelled asphalt binder technology. Gelled asphalt binders produce thick asphalt films on the aggregate creating an improved form of cold mix asphalt that has superior performance over conventional cold mix. It can be stockpiled for months until it is ready for use, and can be applied at a wide range of ambient temperatures.

Benefits

CCAP construction is relatively easy for local crews to lay and maintain using standard asphalt paving equipment. CCAP mix remains flexible through cold weather, guarding against cracks and potholes while maintaining durability in the heat of the summer, resisting flushing and tracking.

These characteristics make it an excellent performing material choice for low to medium volume roadways.



A strong, flexible, economical and environmentally friendly pavement mixture designed for building new roads and adding strength to old ones.