

EVERYTHING ASPHALT

Martin Asphalt Products for Recycling and Rehabilitation



“Recycling and reuse can offer engineering, economic and environmental benefits. Recycled materials should get first consideration in materials selection.”

FHWA Policy Statement



Reusing Valuable Resources While Reducing Costs

Rough, potholed roads pose safety problems, and they cause drivers to use more fuel and have higher vehicle maintenance costs. While reconstruction is costly and time-consuming, highway agencies are recognizing the importance of fixing bad roads while safeguarding our environment. In fact, asphalt is the most recycled of all materials.

Rational Recycling

Raw material costs are skyrocketing. Permits for new aggregate quarries are very difficult to obtain. Resources are dwindling. It just makes sense to recycle the materials already on our roadways. There are other reasons for recycling instead of adding additional layers. The level of the road can be maintained so that clearances under bridges, existing curbs, shoulders and driveway levels can be retained. Base inadequacies can be fixed. Oxidized, aged asphalt can be rejuvenated, and poor aggregate gradations can be corrected. In-place recycling processes proceed quickly, so there is minimal traffic disruption.

As with any paving project, the materials and process should be carefully selected. They should work with the existing materials and address the problems which caused the pavement to fail—whether the pavement failed because it was simply worn out, or because of material, design, drainage or other deficiencies.

Martin Asphalt Makes It Easy

Through Martin Asphalt, you get **Everything Asphalt**—a full range of products for recycling and rehabilitating your pavements. In addition, you receive technical assistance in selecting the right materials and application. The company’s AASHTO Certified Laboratory makes sure the products meet your specifications. And your products are delivered both on spec and on time via Martin’s Gulf Coast network of production plants, storage facilities and transportation fleet including ocean-going and inland barges, rail cars and tanker trucks.

Products for Recycling and Rehabilitation

The table summarizes asphalt recycling and rehabilitation processes and Martin Asphalt Products. Contact us for more information on selecting the right process and product for your projects.

| Process | Description | Martin Asphalt Products | | |
|--------------------------|--|--------------------------------------|----------------------------------|--------------------------|
| Hot Mix Asphalt with RAP | Reclaimed Asphalt Pavement (RAP) is blended with new materials in a hot mix plant | PG graded ACs | | |
| Cold In-Place Recycling | A train of equipment mills up the existing pavement, crushes it, mixes it with asphalt, lays the recycled mix and compacts the new mat, leaving a recycled pavement ready for a surface treatment. | AES-300 AES-300RP MS-2 MS-1 | CMS-1 CSS-1 ETR-1 ARA-1 | SCM-1 SCM-2 CM-300 |
| Hot In-Place Recycling | A train of equipment heats and scarifies the top layer of the existing pavement, mixes it with asphalt, lays the recycled mix and compacts the new mat, leaving a recycled pavement ready for traffic. | AES-300 AES-300RP MS-2 MS-1 | CMS-1 CSS-1 ETR-1 ARA-1 | SCM-1 SCM-2 CM-300 |
| Central Plant Recycling | Reclaimed asphalt pavement (RAP) is mixed with asphalt at a central location. The recycled mix is then transported to the road site where it is placed and compacted. | AES-300 AES-300RP MS-2 MS-1 | CMS-1 CSS-1 ETR-1 ARA-1 | SCM-1 SCM-2 CM-300 |
| Full Depth Reclamation | A reclaimer mills the existing roadway and mixes it with asphalt. The mix is then worked with blades and/or rollers to cure and compact it. | AES-300 AES-300RP MS-2 MS-1 | CMS-1 CSS-1 ETR-1 ARA-1 | SCM-1 SCM-2 CM-300 |
| Surface Rejuvenation | An emulsion with rejuvenating chemicals is sprayed with a distributor on the surface of an aging pavement to rejuvenate the asphalt and prolong pavement life. | ARA-1 | ETR-1 | |