



Warm-Mix Asphalt

Material Producer List

Materials and Tests Division

Warm-Mix Asphalt

The following Warm-Mix Asphalt (WMA) additives and processes are pre-approved for use on Department projects. For more information, contact the Materials and Tests Division's Flexible Pavements Section at (512) 506-5836.

Approval requires the submittal of documentation from a minimum of three construction projects using the WMA technology, preferably a minimum of one in the State of Texas. Documentation must include a mixture design with mechanical property test results and Quality Control/Quality Assurance (QC/QA) test results measured during production. The following information must be included with the documentation:

- Contact name, telephone number, an email address;
- Product name and supplier;
- Dates of construction for each project;
- Control-Section-Job (CSJ) Number for each project, if available; and
- Location and highway for each project submitted.

When requested other WMA products and technologies may also be accepted and approved, provided that the WMA products and technologies are recognized nationally by the Federal Highway Administration (FHWA), National Center for Asphalt Technology (NCAT), National Asphalt Pavement Association (NAPA), or by the WMA Technical Working Group (WMA TWG) as listed at <http://www.warmmixasphalt.com>.

| WMA Technology | Process Type | WMA Supplier |
|-------------------------------|-------------------|------------------------------|
| Accu-Shear | Foaming Process | Stansteel |
| Advera (Synthetic Zeolite) | Chemical Additive | PQ Corporation |
| ALmix WarmWare | Foaming Process | ALmix |
| Aspha-Min (Synthetic Zeolite) | Chemical Additive | Aspha-Min |
| Astech PER (Hydrogreen) | Chemical Additive | Meridian Technologies |
| Cecabase RT | Chemical Additive | Arkema, Inc. |
| Delta S | Chemical Additive | Collaborative Aggregates LLC |
| Double Barrel Green | Foaming Process | Astec Industries, Inc. |
| Evoflex | Chemical Additive | Ingevity |
| Evotherm | Chemical Additive | |
| HydroFoam IEQ | Foaming Process | East Texas Asphalt Co., Ltd. |
| Maxam | Foaming Process | Maxam Equipment |
| QPR QualiTherm | Chemical Additive | QPR Quality Pavement Repair |

| WMA Technology | Process Type | WMA Supplier |
|-----------------------|---------------------|-----------------------------|
| Rediset LQ | Chemical Additive | AkzoNobel Surface Chemistry |
| Rediset WMX | Chemical Additive | |
| Sasobit | Organic Additive | Sasol Wax Americas, Inc. |
| Terex | Foaming Process | Terex Roadbuilding |
| Ultrafoam GX | Foaming Process | Gencor Industries |
| ZycoTherm | Chemical Additive | Zydex Industries |