

**North Carolina Department of Transportation  
Approved Products Listing**

**APPROVED WARM MIX ASPHALT (WMA) TECHNOLOGIES**

Prior to any approval, the WMA technology manufacturer must submit documentation from a minimum of three (3) successfully constructed projects using the WMA technology that includes the following:

- Product Name & Supplier;
- Contact Name & Telephone Number;
- WMA Technology Material Safety Data Sheet (MSDS);
- Documentation from each successfully constructed project, including: project type, project owner, location, tonnage placed, mix design used, field density and performance data.

After the initial review process, the WMA technology can be given the following approval statuses based on the construction and performance of NCDOT-approved job mix formulas (JMFs) using the technology:

<b>WMA Manufacturer</b>	<b>WMA Technology</b>	<b>Current Approval Status</b>
Astec Industries	Double Barrel Green	Limited
Gencor Industries	Ultrafoam GX	Limited
MeadWestvaco	Evotherm 3G	Limited
Aqua Foam, LLC	Aqua Foam WMA	Trial
Maxam Equipment	AQUABlack WMA	Trial
PQ Corporation	Advera	Trial
Sasol Wax	Sasobit	Trial
Terex Roadbuilding	Terex WMA	Trial

1) Trial Approval – one or more NCDOT-let projects have been successfully constructed using the WMA technology and monitored through a minimum of one Winter season.

- WMA technologies with **Trial** status may be used on NC and Secondary Routes.

2) Limited Approval – a minimum of 75,000 tons of mix using the WMA technology have been successfully constructed on NCDOT-let projects.

- WMA technologies with **Limited** status may be used on US, NC, and Secondary Routes.

Contact **Todd Whittington** of the Materials & Tests Unit at (919) 329-4060 for any information and current approval status.