

**Oregon Department of Transportation
APPROVED WARM MIX TECHNOLOGY**

When WMAC is used, select one of the WMAC Technologies and process and additive types listed below or approved by the Engineer:

WMAC Technology	Process and Additive Type	Supplier
LEA-CO	Foaming Process	Advanced Concepts Engineering Co.
Eco-Foam II	Foaming Process	AESCO/Madsen
Redi-Set WMX	Chemical Additive	Akzo Nobel Surfactants, Inc.
CECABASE RT	Chemical Additive	Arkema
Ad-Here LOF 65-00	Chemical Additive	Arrmaz/ Road Science
Aspha-Min (Synthetic Zeolite)	Foaming Process	Aspha-Min
Double Barrel Green System	Foaming Process	Astec Industries
Anova 1501	Chemical Additive	Cargill Inc.
Green Machine	Foaming Process	Gencor Industries
HGrant Warm Mix System	Foaming Process	Herman Grant Company
Evotherm M1	Chemical Additive	Ingevity Corporation
Evotherm P25	Chemical Additive	Ingevity Corporation
Qualitherm	Chemical Additive	Iterchimica
Aquablack Warm Mix Asphalt	Foaming Process	Maxam Equipment Inc.
Low Emission Asphalt	Chemical Additive	McConnaughay Technologies
Meeker Warm Mix	Foaming Process	Meeker Equipment Corp. Inc.
Advera (Synthetic Zeolite)	Foaming Process	PQ Corporation
Sasobit	Organic Additive	Sasol Wax Americas, Inc.
Shell Thiopave	Chemical Additive	Shell
Accu-Shear Dual Warm-Mix Additive System	Foaming Process	Stansteel
Tri-Mix Warm Mix Injection	Foaming Process	Tarmac Inc.
Warm Mix Asphalt System	Foaming Process	Terex Roadbuilding
Zycotherm SP	Chemical Additive	Zydex Industries
Zycotherm SP2	Chemical Additive	Zydex Industries

Submit the proposed WMAC technology to be used and a plan for its implementation at the pre-construction conference.

Comply with the manufacturer's recommendations for incorporating additives and WMAC technologies into the mix. Comply with manufacturer's recommendations regarding receiving, storing, and delivering the additives.

Contact Pavement Services to evaluate any process or additive that is not included on this list.