

Chemical Admixtures for Ready Mix Concrete

Air Entraining Admixtures (AASHTO M154)

Supplier	Location	Brand	
Chryso, Inc.	Royse City, TX	Chryso Air 260	Data Sheet
Euclid Chemical Company, The	Cleveland, OH	Eucon AEA 92S	Data Sheet
GCP Applied Technologies Inc.	Cambridge, MA	Airalon 3000	Data Sheet
		Daravair 1000	Data Sheet
		Daravair 1400	Data Sheet
		Daravair AT30	Data Sheet
Master Builders Solutions Admixtures US, LLC.	Cleveland, OH	MasterAir AE 200	
		MasterAir AE 400	Data Sheet
		MasterAir AE 90	Data Sheet
		MasterAir VR 10	
Sika Corporation	Lyndhurst, NJ	Sika Air	Data Sheet
		SikaControl AIR-160	Data Sheet

Other Chemical Admixtures (AASHTO M194)

Supplier	Location	Brand	
Chryso, Inc.	Royse City, TX	Chryso ControlSet 125	Data Sheet
		Chryso NutraSet TC	Data Sheet
Euclid Chemical Company, The	Cleveland, OH	Eucon Stasis	Data Sheet
		Plastol 6400	Data Sheet
Fritz-Pak Corporation	Mesquite, TX	Supercizer 5	Data Sheet
		Supercizer 7	Data Sheet

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Other Chemical Admixtures (AASHTO M194)

Supplier	Location	Brand	
GCP Applied Technologies Inc.	Cambridge, MA	Mira 110	Data Sheet
		Mira 95	Data Sheet
		Recover	Data Sheet
		WRDA-79	Data Sheet
Master Builders Solutions Admixtures US, LLC.	Cleveland, OH	MasterGlenium 7920	Data Sheet
		MasterGlenium 7925	Data Sheet
		MasterPolyheed 900	Data Sheet
		MasterPozzolith 200	Data Sheet
		MasterPozzolith 80	Data Sheet
		MasterRheobuild 1000	Data Sheet
		MasterSet Delvo	Data Sheet
		MasterSet R 100	Data Sheet
		MasterSet R 300	Data Sheet
MasterSet R 961	Data Sheet		
Sika Corporation	Lyndhurst, NJ	Sika Plastiment	Data Sheet
		Sika Plastocrete-250	Data Sheet
		Sika ViscoCrete-2110	Data Sheet
		Sikament-686	Data Sheet
		SikaTard-440	Data Sheet

Method of Documentation of Acceptance:

By brand and source.

Method of Approval:

THE PROCEDURE BELOW MUST BE FOLLOWED IN ACQUIRING APPROVAL OF CHEMICAL ADMIXTURES:

- The manufacturer/supplier shall fill out and submit a copy of the *QPL Submittal Form* located on the Department's website at <https://www.ardot.gov/wp-content/uploads/QPL-Submittal-Form.docx>.
- The manufacturer/supplier shall provide the Materials Division with a test report from a

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recognized laboratory indicating compliance with the appropriate AASHTO Specification listed below. A recognized laboratory is any State Highway Agency, Federal Highway Administration or independent laboratory regularly inspected by AASHTO resource, Cement and Concrete Reference Laboratory (CCRL) or other Department approved accreditation/inspection agency. All test reports shall include the manufacturer's name, brand name of the material, and date of testing.

- **Air Entraining Admixtures shall comply with AASHTO M154. In addition, the manufacturer/supplier shall include:**
 - **The constituents of the admixture. If the admixture is manufactured by neutralizing Vinsol resin with caustic soda (sodium hydroxide), the ratio of sodium hydroxide to Vinsol resin shall be given.**
 - **The chloride content of the admixture and whether or not chloride was added during its manufacture.**
 - **Uniformity tests according to AASHTO M 154 to establish compositional or chemical equivalence. Where the nature of the admixture or the Department's testing capabilities may make some or all of the procedures unsuitable, other requirements may be established by agreement between the Department and the manufacturer.**
- **Other Chemical Admixtures shall comply with AASHTO M194. In addition, the manufacturer/supplier shall include:**
 - **The type of admixture (Example – Type B: Retarding).**
 - **The constituents of the retarder (Example – This material is a solution of calcium salt of lignosulphonic acid).**
 - **The chloride content of the admixture and whether or not chloride was added during its manufacture.**
 - **Uniformity and equivalence tests according to AASHTO M 194 to provide results against which later comparison can be made. Where the nature of the admixture or the Department's testing capabilities may make some or all of the procedures unsuitable, other requirements may be established by agreement between the Department and the manufacturer.**
- **A sample of the chemical admixture will be supplied to the Materials Division.**
- **Product information and Safety Data Sheets (SDS) must be included.**
- **If the product meets material requirements, the product will be approved for inclusion after receipt of a signed QPL certification.**
- **Destination samples will be taken as deemed necessary to assure compliance with specifications. Material failures either in the laboratory or in field applications may be considered sufficient cause to reject the material. The Materials Engineer will determine if**

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the failures warrant discontinuing acceptance and removal from this QPL.

Any product not used on a Department project within a 2 year time span will be subject to removal.

No information contained in these lists is to be used for promotional purposes.

The manufacturer of privately labeled products must be disclosed.