

## Chemical Admixtures for Ready Mix Concrete

### Air Entraining Admixtures (AASHTO M154)

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

### Other Chemical Admixtures (AASHTO M194)

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

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### Other Chemical Admixtures (AASHTO M194)

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

#### 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**

## **Chemical Admixtures for Ready Mix Concrete**

**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.**