

Ohio Department of Transportation
Office of Materials Management, Asphalt Section
Fog Seal, Approved Suppliers
Date Last Edited 7-15-2019

Manufacturer / Supplier	P/S Code	Product Name	Contact Information	Fog Seal Specification Requirements
Phillips Oil	05566-01	LD-7	Michael Wurster - (614) 274-2657 1877 McKinley Ave Columbus, OH 43222	Appendix A
Shelly and Sands	05535-01	EM-50-TT-Fog Seal	Josh Reed - (740) 859-2131 1731 Old State Route 7 Rayland, OH 43943	Appendix C
Blacklidge Emulsions, Inc.	03100-01	LD-7	Van Conner - (864) 275-4452 12251 Bernard Parkway, Suite 200 Gulfport, MS 39503	Appendix A
	05602-03	LD-7	Michelle Dronet – (228)248-0385 10100 Brower Road North Bend, OH 45052	Appendix A
K-Tech Specialty Coatings, Inc.	05714-01	Chip-Lock Fog Seal	Jason Conrad - (260) 587-3888 111 West Garfield, PO Box 428 Ashley, IN 46705	Appendix B
Specialty Emulsions, Inc./Seaboard Asphalt	05720-01	EM-50-TT-Fog Seal	Brandon Staub – (717) 849-5020 1194 Zinns Quarry Road York, PA 17404	Appendix C
JASA/Russell Standard	05521-01	Grip Tight A	Doug Raess – (330) 733-9400 990 Hazel Street Akron, OH 44305	Appendix D

Approved suppliers must be on this approved list prior to placement on an actual ODOT project with the exception of a supplier trying to gain approval of a new fog seal product as listed below. Once a supplier is on the approved list, they must follow the requirements of Supplement 1032.

Procedure to gain approval of a new fog seal product

1. Submit 2 quarts of sample to Office of Materials Management, Asphalt Lab Section, 1600 W Broad St., Columbus, OH 43223
2. Provide a technical data sheet showing the min/max test results your product meets for standard tests run on your product. Use Appendix A, B, and C as examples.
3. Provide a Safety Data Sheet (SDS).
4. Provide a Quality Control Plan as outlined in Supplement 1032.
5. Once samples are run at our lab and the results show that your product meets your own specifications, you must schedule a demonstration on a non-ODOT project.
6. The demonstration project will be at a location you determine. This can be on an actual project (city, county) or at a plant. Inform lab of proposed location.
7. If the results of the demonstration are acceptable, ODOT will have your product used on an actual ODOT project.
8. If the results are acceptable on an actual ODOT project, your product will be listed as an alternate on this APL.

Procedure to gain re-approval of a failed fog seal product removed from this listing

In the event the product fails to perform to the satisfaction of the Department, it will be removed from this list. The manufacturer may perform the following items in order to be considered for future listing as an approved material:

1. Submit in writing to the Department, Office of Materials Management, Asphalt Section, the reason(s) why product failed to perform and detail changes that will be made to eliminate the cause(s) of failure and
2. Propose changes to the product's specifications, and
3. Submit samples of the redeveloped product to the laboratory for testing to the new specifications, and
4. Demonstrate to the Department successful use of the material on at least one non-ODOT project.

When the above items are completed to the Department's satisfaction, the redeveloped and field tested product may be put back on the Department's Approved List.

Appendix A – Fog Seal Specification Requirements

PARAMETER	TEST METHOD	MIN.	MAX.
SAYBOLT FUROL VISCOSITY, SFS @ 25°C	AASHTO T59	10	100
RESIDUE BY EVAPORATION, %	AASHTO T59	30	--
OIL DISTILLATE, %	AASHTO T59	--	1
SIEVE TEST, %	AASHTO T59	--	0.3
TEST ON RESIDUE			
PENETRATION, @ 25°C,	AASHTO T49	--	20
SOFTENING POINT RANGE DEG C	AASHTO T53	65	--
SOLUBILITY, %	AASHTO T44	97.5	--
ORIGINAL DSR @ 82 °C	AASHTO T315	1.00	

Appendix B – Fog Seal Specification Requirements

PARAMETER	TEST METHOD	MIN.	MAX.
SAYBOLT FUROL VISCOSITY, SFS @ 25°C	AASHTO T59	0	25
SETTLEMENT, 5 DAYS, %	AASHTO T59	--	5
RESIDUE BY DISTILLATION, %	AASHTO T59	27	35
OIL DISTILLATE, %	AASHTO T59	--	1
SIEVE TEST, %	AASHTO T59	--	0.3
TEST ON RESIDUE			
PENETRATION, @ 25°C,	AASHTO T49	--	40
SOLUBILITY, %	AASHTO T44	97.5	--

Appendix C – Fog Seal Specification Requirements

PARAMETER	TEST METHOD	MIN.	MAX.
SAYBOLT FUROL VISCOSITY, SFS @ 25°C	AASHTO T59	0	100
STORAGE STABILITY, 5 DAYS, %	AASHTO T59	--	5
RESIDUE BY DISTILLATION, %	AASHTO T59	30	80
OIL DISTILLATE, %	AASHTO T59	--	3
SIEVE TEST, %	AASHTO T59	--	0.20
TEST ON RESIDUE			
PENETRATION, @ 25°C,	AASHTO T49	1	40

Appendix D – Fog Seal Specification Requirements

<i>PARAMETER</i>	<i>TEST METHOD</i>	<i>MIN.</i>	<i>MAX.</i>
SAYBOLT FUROL VISCOSITY, SFS @ 25°C	AASHTO T59	5	100
RESIDUE BY EVAPORATION, %	AASHTO T59	40	--
PARTICLE CHARGE	AASHTO T59	NEGATIVE	
SIEVE TEST, %	AASHTO T59	--	0.30
TEST ON RESIDUE			
PENETRATION, @ 25°C	AASHTO T49	10	45
SOFTENING POINT, °C	AASHTO T53	55	--