

**Husky Asphalt**

From the ground up

EMULSIONS PRODUCT LINE

Background

Husky produces multiple emulsion products to meet market demand. Some of the products will meet specifications for products known under other names. All of the emulsion products produced by Husky are designed to meet the Code of Practice for the Reduction of Volatile Organic Compound (VOC) Emissions. A list of these products and their uses are found below. Other products not listed can be readily manufactured as required.

Product Name	Product Type	Common Uses	Comments
SS-1 Slurry	Anionic, Slow Set.	Tack Coat, Stabilization, Fog Seal, Slurry Seal.	Very stable; sprayed cold; dilutes with water; readily mixes with a wide variety of aggregate; sets relatively hard.
SS-1H	Anionic, Slow Set.	Tack Coat, Stabilization, Fog Seal, Slurry Seal.	Same as SS-1 except harder residue.
TackMax™	Anionic, Faster Setting.	Tack Coat.	Use as received; not for dilution.
SS-1	Anionic, Slow Set.	Tack Coat, Stabilization, Fog Seal.	Stable; sprayed cold; allows high dilution with water; readily mixes with a wide variety of aggregates.
HF-100S	Anionic, Medium Set, High Float.	Seal Coat using a graded aggregate on pavement, oil treat, base, and subgrade.	Allow use of aggregates with high fines; four penetration grades to choose from depending on traffic and surface; final seal resistant to bleeding.
HF-100S-AS	Anionic, Medium Set, High Float with an Adhesion Agent.	Seal Coat using a graded aggregate on pavement, oil treat, base, and subgrade.	Allow use of aggregates with high fines; four penetration grades to choose from depending on traffic and surface; final seal resistant to bleeding; adhesion agent can improve stone retention of some aggregates.
HF-150S	Anionic, Medium Set, High Float.	Seal Coat using a graded aggregate on pavement, oil treat, base, and subgrade.	Allow use of aggregates with high fines; four penetration grades to choose from depending on traffic and surface; final seal resistant to bleeding.
HF-150S-AS	Anionic, Medium Set, High Float with an Adhesion Agent.	Seal Coat using a graded aggregate on pavement, oil treat, base, and subgrade.	Allow use of aggregates with high fines; four penetration grades to choose from depending on traffic and surface; final seal resistant to bleeding; adhesion agent can improve stone retention of some aggregates.
HF-250S	Anionic, Medium Set, High Float.	Seal Coat using a graded aggregate on pavement, oil treat, base, and subgrade.	Allow use of aggregates with high fines; four penetration grades to choose from depending on traffic and surface; final seal resistant to bleeding.

Product Name	Product Type	Common Uses	Comments
HF-250S-AS	Anionic, Medium Set, High Float with an Adhesion Agent.	Seal Coat using a graded aggregate on pavement, oil treat, base, and subgrade.	Allow use of aggregates with high fines; four penetration grades to choose from depending on traffic and surface; final seal resistant to bleeding; adhesion agent can improve stone retention of some aggregates.
HF-350S	Anionic, Medium Set, High Float.	Seal Coat using a graded aggregate on pavement, oil treat, base, and subgrade.	Allow use of aggregates with high fines; four penetration grades to choose from depending on traffic and surface; final seal resistant to bleeding.
HFRS-2	Anionic, Rapid Set, High Float.	Seal Coat on pavement using a clean aggregate.	Sets quickly with cleaner graded aggregates; final seal resistant to bleeding.
HF-100P	Anionic, Medium Set, Polymer Modified, High Float.	Seal Coat on pavement using a graded aggregate.	Higher toughness than conventional High Float grades; final seal resistant to bleeding and reflective cracking.
HF-100P-AS	Anionic, Medium Set, Polymer Modified, High Float with an Adhesion Agent.	Seal Coat on pavement using a graded aggregate.	Higher toughness than conventional High Float grades; final seal resistant to bleeding and reflective cracking; adhesion agent can improve stone retention of some aggregates.
HF-150P	Anionic, Medium Set, Polymer Modified, High Float.	Seal Coat on pavement using a graded aggregate.	Higher toughness than conventional High Float grades; final seal resistant to bleeding and reflective cracking.
HF-150P-AS	Anionic, Medium Set, Polymer Modified, High Float with an Adhesion Agent.	Seal Coat on pavement using a graded aggregate.	Higher toughness than conventional High Float grades; final seal resistant to bleeding and reflective cracking; adhesion agent can improve stone retention of some aggregates.
HP-200P	Anionic, Medium Set, Polymer Modified.	Seal Coat.	A faster medium set emulsion for use with cleaner graded aggregate; can be used with or without an adhesion agent.
HF-250P	Anionic, Medium Set, Polymer Modified, High Float.	Seal Coat on pavement using a graded aggregate.	Higher toughness than conventional High Float grades; final seal resistant to bleeding and reflective cracking.
HF-250P-AS	Anionic, Medium Set, Polymer Modified, High Float with an Adhesion Agent.	Seal Coat on pavement using a graded aggregate.	Higher toughness than conventional High Float grades; final seal resistant to bleeding and reflective cracking; adhesion agent can improve stone retention of some aggregates.
HF-500M-HR	Inverted (water-in-oil), High Float.	Cold Mix – plant mix only.	Low distillate, high residue; saves on freight; for use with strip sensitive aggregate.
HF-1000M	Anionic, Slow Set.	Cold Mix – plant or road mixed.	Can be used with cold or hot aggregates; readily mixes with aggregate due to emulsion stability and low viscosity residue; allows high bitumen content in final mix; extended stockpile life (over winter).

Product Name	Product Type	Common Uses	Comments
HF-1000M-AS	Anionic, Medium Set, High Float with an Adhesion Agent.	Cold Mix – plant or road mixed.	Can be used with cold or hot aggregates; readily mixes with aggregate due to emulsion stability and low viscosity residue; allows high bitumen content in final mix; extended stockpile life (over winter); adhesion agent can improve stone retention of some aggregates.
DL-10	Anionic, Slow Set.	Dust Control – surface spray.	Readily penetrates gravel surfaces; final surface is reworkable.
DL-10-58	Anionic, Slow Set.	Dust Control – surface spray.	DL-10 concentrate; diluted prior to use.
DL-10 SPECIAL	Anionic, Slow Set.	Dust Control – blade mix.	Easily blade mixed on road; final mix is re-workable.
DL-10-70	Anionic, Slow Set.	Dust Control – surface spray.	DL-10 concentrate; diluted prior to use.
CQS-1HP	Cationic, Quick Set, Polymer Modified.	Micro-surfacing.	Mixes effectively with specific aggregates and sets quickly; fills ruts up to 3 cm deep.
CQS-1H	Cationic, Quick Set.	Slurry Seal.	Mixes effectively with specific aggregates and sets quickly.
CRS-2 (RS-1K)	Cationic, Rapid Set.	Chip Seal.	Fast breaking to set quickly with clean chips.
CRS-2P	Cationic, Rapid Set, Polymer Modified.	Chip Seal.	Fast breaking to set quickly with clean chips.
CSS-1	Cationic, Slow Set.	Tack Coat, Stabilization.	Very stable; sprayed cold; dilutes with water; readily mixes with a wide variety of aggregates; sets relatively hard; adhesion agent can improve stone retention of some aggregates.
CSS-1H	Cationic, Slow Set.	Tack Coat, Stabilization.	Same as CSS-1 except harder residue.
EAP-2	Anionic, Slow Set.	Prime Coat.	Low solvent.
EC-101	Anionic, Polymer Modified.	Cold pour crack sealing.	Blotter sand may not be needed.
MS-1	Anionic, Medium Set.	Tack Coat.	Faster set than SS-1.
MS-1H	Anionic, Medium Set.	Tack Coat.	Same as MS-1 except harder residue.
RS-1	Anionic, Rapid Set.	Prime, Seal Coat (clean aggregate), crack-filing, spray patching.	Sets quickly; can be sprayed hot or cold.
WSPE-1	Winter-Grade Spray Patch Emulsion.	Spray Patching.	Improve adhesion under adverse conditions.

Product Name	Product Type	Common Uses	Comments
Reclamite®	Cationic, Slow Set.	Preservative Seal, Blending with RAP stockpiles.	Penetrates the surface of asphalt pavements, improves durability of the pavement near its surface, allows RAP to bind back together.
CRF®	Cationic, Slow Set.	Restorative Seal.	Asphalt rejuvenator and sealer; restores pavements that have deteriorated past the point of using only Reclamite; asphalt holds sand and fills larger voids and cracks.
Soil Max®	Ionic clay stabilizer.	Reduce the ability of clay to hold water in your base.	Added to compaction water to aid in increasing the density of the clay base, improves compaction, and increases strength.
HF-All Season	Inverted (water-in-oil), High Float.	Cold Mix- plant mix only.	Similar to HF-500M-HR but designed for strip sensitive aggregates.
Cyclogen®			Recycling agent designed for hot in place recycling, fixed plant recycling, cold in place recycling and RAP milling rejuvenation.

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Husky Asphalt is the exclusive distributor of Tricor Refining LLC products in Western Canada, Yukon, Northwest Territories and Nunavut. Products include: Reclamite®, CRF®, CRF® PM, Cyclogen® L.

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