



April 10, 2009

Re: Fed Spec Certification

This is to certify that **Amguard® Fed Spec and Gemseal® Fed Spec** pavement sealer concentrate manufactured by Bonsal American Inc., is formulated strictly with **100% RT-12 refined coal tar** conforming to ASTM Specification D 490, and as such, contain no added asphalt or other resins. This is also to certify that Amguard Fed Spec and Gemseal Fed Spec conforms to ASTM Specification D 5727 Standard Specification for Emulsified Refined Coal Tar (replacing Federal Specification R-P-355-e). This is also to confirm that Amguard Fed Spec and Gemseal Fed Spec Coal Tar Emulsion Sealer also meets all material requirements as a pavement sealer concentrate component in applicable mix designs specified by the following standards:

- ASTM Specification D 6945
- ASTM Specification D 3320
- ASTM Standard Practice D 6948
- FAA Engineering Brief 46, Item P-625
- FAA Advisory Circular 150/5370-10B, Items P-630 and P-631.

It should be noted that **Amguard® Fed Spec and Gemseal® Fed Spec** pavement sealer, as a 100% refined coal tar based product, has natural superior resistance to petroleum fuels, solvents and oils due to its poly aromatic ring molecular structure.

100% coal tar based sealers are also recognized as more durable and longer lasting protective coatings for asphalt pavements than asphalt emulsion based sealers over wide temperature extremes due to its ability to resist oxidation and UV degradation at high temperatures, while remaining flexible at colder temperatures.

Respectfully Submitted,

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