

Diamond Shield Fortifier

TECHNICAL DATA SHEET

Last Rev Date: Sept. 2007

Freezability Do not freeze **Shelf Life** 1 to 2 years **Application Temperature** 50 deg. F and rising **Weight per Gallon** 8.5 lbs **Solids by Weight** <25% **Solids by Volume** <31% **Color** Blue **Flammability** Non-Flammable
Usage recommendation: 1 gallon of DSF per **Container size** 2 gallon pail (19 lbs)
150 gallons of raw seal coat used.

Diamond Shield Fortifier (DSF) is a liquid composition, primary active curing additive, viscosity and rheology modifier for water borne asphalt, coal tar and blended emulsions. DSF functions safely and significantly to reduce the amount of time required for a surface coating to be reintroduced to vehicle traffic without damage to the film. DSF is NOT a latex based additive. DSF does NOT contain any acrylic or resin hardeners known to cause seal coat cracking and flaking prematurely. DSF's Ultimate Sand Suspension (USS) increases the flexibility of the cured film and provides better sand load suspension for a longer period of time than other additives. DSF's unique liquid composition is superior to latex for sand load suspension. DSF improves cured film adhesion, reduces filter and tip clogging and provides a deeper, black finish. DSF's rheology modification makes sealer smoother and silkier while lubricating pumps and equipment and allowing for easier clean up. DSF will not harm equipment or set up in the tank.

DSF has the sole purpose of extraordinarily increasing your productivity and bottom line while extending your season at both ends. You can complete more jobs each month with the same number of man hours because jobs can be completed and opened the same day without the return trip the next day. More Jobs with the same man hours = more profit.

Under most all conditions to include cooler temperatures, shade and when the sun is not present, except for excessive humidity or ground saturation, DSF will accelerate the cure time of the sealer. You can even seal coat just a short time before rain and not wash out if the film is dry to touch when rain occurs. DSF is simple. When the film is dry, it's cured!

DSF increases film strength by its Active Cure Technology. Until DSF seal coat only cured through the passive curing process the way the sun naturally cures by its heat and ultra violet rays. The sun dries the top of the film which creates a barrier that slows down the dry and cure time for the rest of the film below the top. That is why it is recommended to wait 24 hours minimum cure time before the film is reintroduced to vehicle traffic. DSF's Active Cure Technology creates heat and energy within the film that expels the moisture from bottom to top. With DSF when the film is dry to touch, all moisture has been expelled and you can reintroduce vehicle traffic in a much quicker time. No other product on the market does this. Most "set-fast" products are latex based or contain hardeners. Because latex does not have the ability to make the sealer cure quicker, there is no comparison to DSF. Latex causes the skim over drying effect on the surface of the seal coat to happen faster which traps moisture within the seal coat. This can further extend the time needed for curing to occur because moisture is trapped. Setfast products that are not a latex product are hardeners. These products can make the film brittle and cause premature flaking. DSF, on the other hand, does the same curing work the sun does through Active Cure Technology within the film. If you put down a quality seal coat application DSF will accelerate the cure

time safely on every job.

DSF turns your sealer ultra black every time, because the faster sealer cures the blacker it turns. DSF greatly reduces or completely eliminates tracking and sand roll out. DSF reduces costs and increases profits by helping contractors get the job done the first trip. Because of this, with DSF you can increase the number of jobs completed each month with the same man hours you have been using. This benefit of time savings to the customer along with less down time for jobs such as restaurants or hotels add up to higher value and therefore a higher bid can be justified as well. In this way, DSF pays for itself and builds the contractor a better reputation for providing fast turnaround on jobs and a greater flexibility of services to the customer.

Directions No stirring or diluting DSF is necessary prior to adding DSF to the sealer. Use 1 gallon of DSF per 150 gallons of raw sealer. Open container and pour contents into mixture of raw sealer cut with 30-35% water and mix well prior to sand load. It is NOT recommended to use DSF with other latex based additives. Observe all seal coat manufacturer guidelines when using DSF.

CAUTION Dispose of container and unused contents in accordance with Local, State, and Federal regulations. **EMPLOYERS** should obtain a copy of the **Material Safety Data Sheet (MSDS)** from your supplier or directly from SGA Global at the toll free number or website below. Do not heat container, store at temperatures greater than 140° F or store in direct sunlight. **DO NOT ALLOW THIS PRODUCT TO FREEZE!**

Warning! DO NOT TAKE INTERNALLY! Use eye protection to avoid contact with eyes. **In case of eye contact**, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. Use protective measures to keep off of skin. Wash off well if product comes in contact with skin. **If swallowed**, CALL PHYSICIAN IMMEDIATELY! GET MEDICAL ATTENTION. **KEEP OUT OF REACH OF CHILDREN!**

WARRANTIES:

We, the manufacturer, warrant only that this product is free of defects since many factors which affect the results obtained from this product such as weather; workmanship, equipment utilized, and prior condition of the substrate are beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommend as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF The Limited Warranty is IN LIEU OF** any other warranties express or implied including but not limited to any implied warranty of **MERCHANTABILITY** or fitness for a particular purpose; and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise.

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