



**STALITE**<sup>®</sup>  
LIGHTWEIGHT AGGREGATE

# HIGHWAY SURFACE TREATMENT

**DONE THE RIGHT WEIGHT!**



# Why use Stalite Lightweight Aggregate?

Stalite Lightweight Aggregate has been used in several Southeastern states in asphalt surface treatments, scrub seals, slurry seals, portable patch pavers, and hot mix asphalt.

Safety is improved because lightweight aggregate road surfaces provide superior skid resistance, wet or dry. This advantage is maintained throughout the road's service life because of Stalite's rough surface texture.

Lightweight aggregate does not polish because more voids will be exposed if wear does occur. These same voids enable lightweight aggregate to form a superior bond with asphalt, thus reducing aggregate loss and extending service life of the road.

Lightweight aggregate application rates per square yard are typically 9 lbs –  $\frac{5}{16}$ " and 7 lbs – #9 due to unit weights of 52–54 lbs., which is almost half the cubic foot weights of other natural aggregates.

Stalite offers washed gradations with typically less than 1% retained on the #200 screen which improve bonding and reduces airborne dust during paving operations.

Stalite's Asphalt Surface Treatment gradations are very precise, which means there are no large particles affecting pavement quality and the percentage of fines is lower—improving stone retention. Stalite's dark color also makes fog seal application an option.



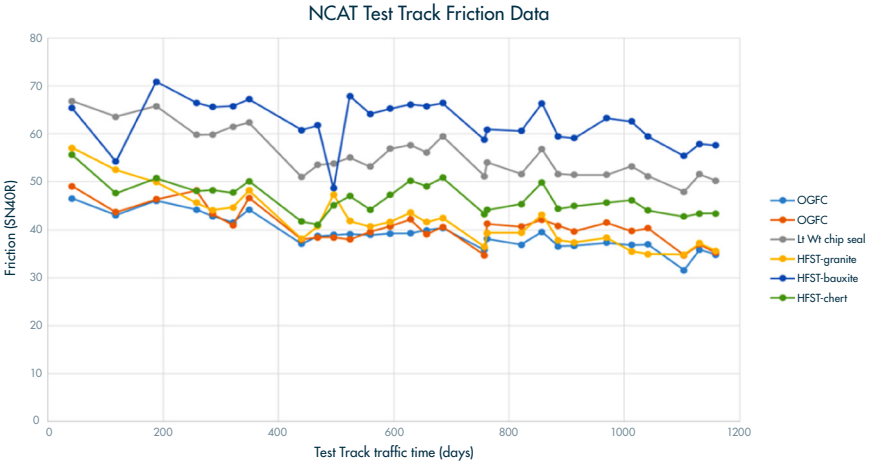
Typical  $\frac{5}{16}$ " Asphalt Surface Treatment seal



Stalite Lightweight Aggregate hot mix on I-85

# Independent Study

The National Center for Asphalt Technology (NCAT) has tested Stalite Road Material\* on their test track at Auburn University and the results showed long term stone retention as well as high friction results.



\*SCDOT requested and financed the study.

Results are available on the NCAT website at [eng.auburn.edu/research/centers/ncat](http://eng.auburn.edu/research/centers/ncat)

# Benefits

- Increased highway safety
- Reduced equipment cost
- Superior skid resistance
- No windshield damage
- Superior bonding
- Superior durability
- Reduced labor cost
- Proven track record



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**Stalite.com | 800.898.3772**