



# CAROLINA STALITE COMPANY

MANUFACTURERS OF LIGHTWEIGHT AGGREGATE "STALITE"

PHONE 704-637-1515 FAX 704-642-1572

DRAWER 1037 SALISBURY, N.C. 28145-1037

## GOLD HILL RESEARCH LABORATORY

### ABRASION RESISTANCE STALITE STRUCTURAL AGGREGATE USING LOS ANGELES ABRASION METHOD MODIFIED TO FM 1-T096

From August 1, 2002 to August 30, 2002, Los Angeles abrasion tests were performed on the Stalite structural lightweight aggregate. 15 samples were tested and the results are shown below.

#### PROCEDURE:

The tests were performed in accordance with ASTM C-131 (Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine) Modified to meet the specifications of Florida Test Method FM 1-T096.

Sample Number	Los Angeles Abrasion
1	22.0
2	31.0
3	26.0
4	22.0
5	24.0
6	23.0
7	30.0
8	24.0
9	28.0
10	26.0
11	25.0
12	22.0
13	24.0
14	26.0
15	28.0

Average Los Angeles Abrasion number for the samples 25.4  
Standard deviation of sample results 2.849



# CAROLINA STALITE COMPANY

MANUFACTURERS OF LIGHTWEIGHT AGGREGATE "STALITE"

PHONE 704-637-1515 FAX 704-642-1572

DRAWER 1037 SALISBURY, N.C. 28145-1037

## GOLD HILL RESEARCH LABORATORY

### ABRASION RESISTANCE STALITE STRUCTURAL AGGREGATE USING LOS ANGELES ABRASION METHOD

From September 21, 2001 to August 6, 2002, Los Angeles abrasion tests were performed on the Stalite structural lightweight aggregate. 30 samples were tested and the results are shown below.

#### PROCEDURE:

The tests were performed in accordance with ASTM C-131 (Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine) the grading was class B for the tests.

Sample Number	Los Angeles Abrasion	Sample Number	Los Angeles Abrasion
1	30.0	16	26.0
2	29.0	17	28.0
3	31.0	18	29.0
4	33.0	19	30.0
5	29.0	20	31.0
6	30.0	21	31.0
7	31.0	22	28.0
8	29.0	23	26.0
9	31.0	24	25.0
10	26.0	25	29.0
11	30.0	26	30.0
12	28.0	27	28.0
13	26.0	28	30.0
14	30.0	29	31.0
15	29.0	30	31.0

Average Los Angeles Abrasion number for the samples 29.2  
Standard deviation of sample results 1.913