

# GAIL MATERIALS

10060 Dawson Canyon Road, Corona, CA 92883  
(951) 667-6106 • Fax (951) 667-6102

## CRUSHED AGGREGATE STONE (C.A.S.) SPECIFICATION

1. GRADATION: As determined by ASTM C 136 methodology (Caltrans 202)

Sieve Size	Percent Passing
1/2"	100
3/8"	90-100
No.4	50-100
No. 30	25-55
No. 100	10-20
No. 200	5-18



2. SAND EQUIVALENT: As determined by ASTM D 2419 methodology (Caltrans 217)

**Shall have a minimum of 30**



### NATRACIL™ ORGANIC BINDER

Natracil is a stabilizing organic non-toxic binder, buff in color and without a marked odor. The swell volume shall have a minimum of 35 ml/g with a minimum mucilliod content of 80 percent. The light extraneous matter shall not exceed a maximum of 20 percent with the heavy extraneous matter not exceeding 5 percent. The material shall be screened with 90-100 percent passing a 200 mesh sieve.

## STABILIZED CRUSHED AGGREGATE STONE (C.A.S.) SPECIFICATIONS

- A. Crushed Aggregate Stone (C.A.S.) as produced by Gail Materials (951-279-1095) is derived from the crushing and screening of blue stone and may include the blending with course sand, rock dust & soil to meet product specifications. The C.A.S. is screened to include stone particles of 1/2" minus. The particles that pass the 200 screen mesh as determined by ASTM methodology shall not exceed 18 percent. The sand equivalent shall be a minimum of 30 and the R-value shall be a minimum of 70.
- B. Stabilizing organic binder Natracil™ as distributed by Gail Materials shall have a minimum swell volume of 32 ml/gm. The binder shall be incorporated with the C.A.S. by the use of a pug mill that includes a weight belt feeder that insures the proper ratio of binder to C.A.S. fines. Blending with the use of a bucket loader or similar is not acceptable. For pathways the binder shall be blended at the rate of 12 lbs. per ton of C.A.S. fines. For parking lots or roadways the binder shall be incorporated at the rate of 14 lbs. per ton.
- C. For pathways, Stabilized C.A.S. shall be placed to a minimum depth of 3" compacted. For driveways or vehicular roadways Stabilized C.A.S. shall be placed to a minimum depth of 4" compacted.
- D. For each 2" lift evenly spread the material over area of concern. Grade and smooth as desired. Thoroughly water entire area so that the entire depth of the material is moist. After a period of +/- 6 hours compact the finale lift with a 1000 – 3000 lb static drum roller. Allow for a sufficient curing period of +/- 4 days prior to use.