

## CARSIL SS

### PRODUCT DESCRIPTION

Carsil SS is a high performance ferro-alloy based product designed to enhance silicon and carbon recoveries in cupola melting operations. This product takes advantage of the lower melting temperature of ferrosilicon, while providing the carbon contribution afforded through silicon carbide additions. The silicon and carbon content of the Carsil SS products can be adjusted to meet the requirements of specific iron chemistries and cupola operations.

Demonstrated advantages include:

1. Increased silicon and carbon contribution to the iron
2. Increase iron dam temperatures
3. Improved metal chemistry control
4. Reduction in slag generation over briquetted silicon carbide

### TYPICAL PHYSICAL PROPERTIES

**Density:** 140 – 170 lbs/cu. ft.

**Melting Temperature:** Approx. 2250° F

### CHEMICAL COMPOSITION

The Carsil SS products are application specific and as such, there are no standard formulations. While raw material components are standard, their proportion in a specific product will vary according to cupola requirements. Please contact your local American Colloid Company sales/service representative for recommendations.

### SIZING

Carsil SS products may be produced in a variety of sizes to suit individual applications. Palletized products include 4" thick segmented slab, 3" thick segmented slab and non-segmented slab bricks. Products are also available for bulk applications. Bulk products may be packaged in pallet boxes or supersacks or shipped directly in bulk trucks.

### PACKAGING

40" × 48" Pallets – 135 units/pallet with stretch wrap

3000 lb. Pallet Boxes

2000 lb. Supersacks

Bulk