

1 General Characteristics

Composed entirely of calcium aluminates, FONDAG[®] FS is a pre-packaged ready to use high strength concrete.

FONDAG[®] FS is a concrete that can be used in severe duty industrial concrete applications that may require refractory performance.

FONDAG[®] FS is recommended for concrete applications requiring rapid hardening properties, resistance to abrasion and mechanical shock, resistance to chemical attack and exposure to refractory temperatures < 2000° F.

FONDAG[®] FS does not release calcium hydroxide as a hydration product. This imparts good refractoriness, chemical resistance and eliminates the major cause of efflorescence.

Using an approved list of organic and/or mineral additives, FONDAG[®] FS can achieve exceptional flow with high early compressive strength. Please contact Kerneos[™] for a copy of this information.

FONDAG[®] FS is a very dark gray color. Colorimetry data is available on request.

FONDAG[®] FS does not contain crystalline silica.

2 Specifications

FONDAG[®] FS produced and distributed in North America adheres to the following specifications:

Sieve Analysis

	Min (%)	Max (%)
# 4 (4.75mm)	9	36
# 8 (2.36 mm)	25	55
# 16 (1.18 mm)	40	70
# 30 (600 µm)	50	80
# 50 (300 µm)	55	85
# 100 (150 µm)	60	90
# 200 (75 µm)	70	95
Pan	5	30

Concrete Properties (using 8% water)

- Vibration flow
 - 0 min. ≥ 120 %
 - 30 min. ≥ 70 %
- Penetrometer Final Set
 - ≤ 2 hours
- Compressive Strength
 - 3 hrs: ≥ 2200 psi
 - 24 hrs: ≥ 6500 psi

For detailed test procedures, please contact a Kerneos Technical or Quality Manager.

3 Additional Physical properties

4 Packaging & Shelf Life

FONDAG® FS is available palletized in 50 lb bags.

FONDAG® FS packaging is designed to protect it from humidity. However, as with all prepackaged concrete, it is recommended that FONDAG® FS not be placed outdoors or in direct contact with the ground. When correctly stored in dry conditions, the properties of FONDAG® FS will remain within specification limit for at least 6 months. In most cases, its properties will be retained for over a year.

KERNEOS LIMITED WARRANTY

Kerneos warrants that this product, at the time of shipment, conforms to the Specifications set forth in section 2 of this Product Data Sheet. All other information provided in this Product Data Sheet is for guidance only. ALL OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. Kerneos' sole obligation and the sole and exclusive remedy under this limited warranty shall be the replacement of any nonconforming product, or, at Kerneos' option, the refund of the purchase price. No warranty is given for any technical advice or recommendations provided by Kerneos. Buyer waives all claims under this limited warranty unless it has given written notice of nonconformity within 30 days of delivery.