



## Ceramic System Accelerator™

Colloidal Silica Surface Treatment

Zirconia's Ceramic System Accelerator™ (CSA) uses colloidal silica technology to provide an optimal surface for application of Zirconia's Ceramic Surface Treatments. When applied as a curing system at time of placement, it allows CeramycShield to be applied in 5-7 days as opposed to waiting 28 days for traditional concrete coatings. CSA penetrates deeply into the accessible capillary system, reacting with the available free alkali, primarily forming additional calcium silicate hydrate (C-S-H). The treated concrete performs comparably to moisture cured concrete with reduced permeability and a denser surface.

### SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion. Refer to Ceramic System Accelerator Application Specification for detailed surface preparation information.

### APPLICATION CONDITIONS

Temperature: 35°F minimum, 90°F maximum

### ORDERING INFORMATION

Packaging: 1 gallon and 5 gallon kits

Weight: 8.5 ± 0.2 lb/gallon

### SAFETY PRECAUTIONS

Refer to the SDS sheets before use.

### Warranty

Zirconia warrants (i) its title to the product, (ii) that the quality of the product conforms to Zirconia's standards at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT ZIRCONIA MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY ZIRCONIA. Any claim under this warranty must be made by Buyer to Zirconia in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify Zirconia of such non-conformance as required herein shall bar Buyer from recovery under this warranty. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Zirconia. Zirconia is not responsible for any consequential damages.

### Product Characteristics

Color:	Cloudy White
VOC:	<0.000 g/L; 0.000 lb/gal

### Recommended Spread Rate per Coat

	Minimum	Maximum
Coverage sqft/gal	200	240

NOTE: Only a single coat is needed to achieve properties.

### Curing Schedule

To Topcoat:	
Minimum:	5 days
Maximum:	N/A
Foot Traffic:	3 hours
Heavy Traffic:	24 hours
Pot Life:	Indefinite
Shelf Life:	5 Years, Store indoors between 35°F - 100°F
Flash Point:	None (water based)
Clean Up:	Water

### DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Zirconia Inc. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication.