

# PRODUCT DATA SHEET

## Sikacrete<sup>®</sup>-665

Self consolidating, structural repair concrete

### PRODUCT DESCRIPTION

Sikacrete<sup>®</sup>-665 is a one-component, self consolidating, structural repair concrete for form and pour/pump applications. The product contain fly ash for better strength.

### USES

- Mine area with salt exposure
- Pumping application possible

### CHARACTERISTICS / ADVANTAGES

- Resistant to thermal cracking
- 1 hour pot life

### PRODUCT INFORMATION

<b>Packaging</b>	3,300 lb super sack
<b>Appearance / Color</b>	Concrete gray
<b>Shelf Life</b>	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging.
<b>Storage Conditions</b>	Store dry at 40–95 °F (4–35 °C) Protect from moisture. If damp, discard material.

### TECHNICAL INFORMATION

<b>Compressive Strength</b>	7 days	≥ 3,000 psi*	(ASTM C-39)
	28 days	≥ 5,000 psi*	
*From Date of Set			

### APPLICATION INFORMATION

<b>Mixing Ratio</b>	0.4 brine/binder ratio + Sika Admixtures
<b>Coverage</b>	0.9 yd <sup>3</sup> per super sack (Coverage figures do not include allowance for surface profile and porosity or material waste)
<b>Product Temperature</b>	65°-75°F (18°-24°C)
<b>Ambient Air Temperature</b>	> 40 °F (4.5 °C)

Substrate Temperature > 40 °F (4.5 °C)

Pot Life	Initial Slump	≥ 25"	(ASTM C-143
	Slump at 60 min.	≥ 15"	ASTM C-1611)

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

- Pre-wet surface to SSD (Saturated Surface Dry).

### MIXING

- First mix the brine with the admixtures then add the powder.
- Start mixing at 0.40 brine/binder ratio.
- Do not add excess brine as it may cause segregation.
- Add Sikacrete®-665 while mixing.
- Mix to a uniform consistency, maximum 2 minutes.
- Mechanically mix with a low-speed drill (400-600 rpm) and paddle or in appropriate-size mortar mixer, concrete mixer or pump.

### APPLICATION

- Vibrate form while pouring or pumping.
- Pump with a variable pressure pump.
- Continue pumping until a 3 to 5 psi increase in normal line pressure is evident then STOP pumping.
- Form should not deflect.
- Vent to be capped when steady flow is evident, and forms stripped when appropriate.

## LIMITATIONS

- Refer to ACI 306 & ACI 305 Guidelines when there is a need to place this product in cold & hot temperatures.
- Do not add any other additives (plasticizers, accelerators, retarders, etc.) or cement.
- As with all cement based materials, avoid contact with aluminum to prevent adverse chemical reaction and possible product failure. Insulate potential areas of contact by coating aluminum bars, rails, posts etc. with an appropriate epoxy such as Sikadur 32 Hi-Mod.
- Not a vapor barrier.

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

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## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

### LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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