

# USG HYDROCAL® BRAND B-BASE™ GYPSUM CEMENT SOUTHARD, OK

## DESCRIPTION

- USG Hydrocal® Brand B-Base™ Gypsum Cement is a hard and dense base that is used in a variety of applications including investment casting and dental use.
- USG Hydrocal B-Base gypsum cement is easy to use and is water soluble – there is no need for organic solvents for cleanup.
- The physical properties vary depending on the end use.
- The set time can be altered using accelerators or retarders.
- If information for a specific use is needed, please contact your local USG Sales Representative for further assistance.

## TYPICAL PHYSICAL PROPERTIES

<b>Normal Consistency</b>	40 - 42 lbs. water/100 lbs. product (18 - 19 kg water/45 kg product)
<b>Hand Mix Vicat Set, at normal</b>	18 - 35 minutes
<b>Color</b>	White
<b>% Passing — 30 mesh</b>	99.95%
<b>% Passing — 100 mesh</b>	99.50%
<b>Compressive Strength, One Hour After Set (minimum)</b>	3000 psi (20.7 MPa)
<b>Compressive Strength, Dry (minimum)</b>	6000 psi (41.4 MPa)
<b>% Expansion (maximum)</b>	0.42%

**NOTE** The *Typical Physical Properties* in the above table were achieved under controlled laboratory conditions with freshly produced material, results may vary.

## STORAGE AND USAGE

### PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

### CAUTION

When mixed with water, this material hardens and becomes very hot sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. Dust from mixing may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Use only in a well-ventilated area, wear a NIOSH/MSHA-approved respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If swallowed and/or irritation persists, call physician. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com

**KEEP OUT OF REACH OF CHILDREN.**

### TRADEMARKS

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### NOTE

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### SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

When properly used, USG Hydrocal B-Base gypsum cement is safe to handle and easy to work with. Keep indoors at temperatures between 65 °F – 75 °F (18 °C – 24 °C) and 45% – 55% RH. Do not stack more than two pallets high. Keep from drafts. Rotate stock. USG Hydrocal B-Base gypsum cement should be used within six months of the manufacturing date located on the package. Always follow handling and use directions and safety warnings on the package.

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