

# USG HYDROCAL® BRAND 105 GYPSUM CEMENT

## SOUTHARD, OK

### DESCRIPTION

USG Hydrocal® Brand 105 Gypsum Cement is an easy to use base formulated for use in a wide variety of dental stone applications. Colored yellow for identification, USG Hydrocal 105 Gypsum Cement's set time can be altered with accelerators or retarders. Products can be used as a base for further formulation or as a stand-alone product. If information for a specific use is needed, please contact your local USG Sales Representative for further assistance.

### TYPICAL PHYSICAL PROPERTIES

<b>Test Consistency</b>	32 lbs. water/100 lbs. product (14.5 kg water/45 kg product)
<b>Hand Mix Vicat Set, at 32cc</b>	8 - 12 minutes
<b>Color</b>	Yellow
<b>% Passing — 30 mesh</b>	99.95%
<b>% Passing — 100 mesh</b>	99.80% - 100%
<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>	0.20%

**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

When properly used, USG Hydrocal 105 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 105 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.

#### PRODUCT INFORMATION

See [usg.com](http://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](http://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.

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