

USG HYDROCAL® BRAND X-21 GYPSUM CEMENT

SOUTHARD, OK

DESCRIPTION

USG Hydrocal® Brand X-21 Gypsum Cement is an ideal base that is used in a wide variety of dental stone applications. It is a harder, denser Hydrocal and is white in color. USG Hydrocal X-21 Gypsum Cement has low expansion and its 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

Test Consistency	25 lbs. water/100 lbs. product (11.3 kg water/45 kg product)
Hand Mix Vicat Set, at 25cc	9 - 15 minutes
Color	White
% Passing — 100 mesh	99.00% - 100%
Compressive Strength, One Hour After Set (minimum)	4000 psi (27.6 MPa)
Compressive Strength, Dry (minimum)	10,000 psi (68.9 MPa)
% Expansion (maximum)	0.10%

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 X-21 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 X-21 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 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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NOTICE

We shall not be liable for incidental or consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instruction or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

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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