

Advanced
Construction
Technologies

Accessories



ALCHATEK OAKUM

Product Identifier

Product Name

ALCHATEK OAKUM

Alchatek Oakum is an oil free dry jute rope which can be used dry or soaked in Spetec PUR GT500, SPETEC PUR F400 and or any other Spetec water-reactive resin. to seal leaks in concrete structures. It works well dry to drive into cracks as a temporary seal to allow injected resin time to cure without washing out.

Supplier Details

Alchatek
4508 Bibb Blvd
Tucker, GA 30084
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Emergency Phone Numbers

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Day or Night

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Description

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Uses

- Delivery vessel for low viscosity chemical grouts to be installed into relatively large cracks and joints in concrete.
- Can also be used around pipe penetrations and in large cracks and joints in masonry and stone work.

Advantages

- Low-viscosity.
- For dry and wet applications.
- Solvent-free.
- Excellent adhesion to concrete.
- Long processing time.
- Dry version does not initiate water-activated resins
- Can be cut to any length and torn to any thickness for application
- Fibrous design absorbs liquid resins
- Easily placed in cracks, joints, and pipe penetrations

Application

Note: the following are a few typical application descriptions. In case of other jobsite parameters, please contact our technical department.

PRELIMINARY ANALYSIS

Determine if large crack or joint is structural or cosmetic. If deemed structural, consult appropriate engineer. Oakum is typically utilized in conjunction with water-reactive chemical grouts in leak-sealing applications. Void filling of these spaces can also be achieved through similar application techniques and appropriate product selection.

PREPARATION OF THE SUBSTRATE

Remove all existing sealant, debris, or contamination of any kind. In large openings, inspect for loose concrete or anything that would prevent insertion of Oakum into the desired depth and location.

PREPARATION OF THE PRODUCT

Firstly, cut Oakum into desired lengths and segments. Pre-mix hydrophobic or hydrophilic chemical grouts per manufacturer recommendation in separate container taking note of working times and reaction times. Once material is mixed, quickly and fully soak the Oakum in the mixed chemical grout. Place the saturated Oakum to desired location.

PREPARATION OF THE EQUIPMENT

Oakum is typically manually installed. Be sure to wear full hands, arm, face, and eye covering at all times. Chemical grout can drip, spill and cover anything with which it comes in contact.

APPLICATION

Clean

1. Clean the surfaces to which the oakum will be applied. Wet the surfaces down if necessary to react with the resin.
2. If necessary, cut the oakum into appropriate lengths.
3. Place oakum in a clean container (5 gallon/18.9 liter pail or plastic bag) and saturate with resin. Allow time for the resin to soak into the oakum.
4. Using gloved hands, pull a section of oakum through a loose set to wring excess resin from the oakum.
5. Optional Step: Dip the oakum into a pail of water to begin the reaction process. This will begin the reaction process of the resin. This step causes the resin to begin to expand.
6. Pack oakum into the joint, crack, or other defect using a screwdriver, wooden dowel, or other mechanical device sized appropriately for the joint, crack or defect.
7. After the resin has cured you may inject additional resin through a grout needle directly through the oakum or by drilling holes through the concrete behind the oakum.
8. Allow the material to cure overnight before attempting to trim the excess foam.

REQUIRED TOOLS

Industrial-grade scissors or knife, mixing container.

CLEANING AND MAINTENANCE

Clean all mixing tooling with solvent or thinner. Dispose of gloves.

COMPLIMENTARY PRODUCTS

Alchatek Hydrophobic and Hydrophilic Chemical Grouts.

ADVICE / FOCAL POINTS

Most chemical-grouts are water-reactive. When mixed, these products react with ambient moisture in the air. Take clear note of working and reaction times to allow for adequate placement time on-site.

Technical Data

	Approx. Contents	Approx. Diameter
5lb. (2.26 k) Box	24pcs x 8' (2.43m)	1 ¼" (3.17cm)
25lb. (11.34 k) Box	120pcs x 8' (2.43m)	1 ¼" (3.17cm)
Type	Oil Free Dry Jute Rope	

Sold by weight. Number of strand pieces may vary.

Estimating Quantities

Each 5 pound (2.26 kilogram) box of oakum will require approximately 2.2 gallons (8.32 liters) of resin. Each 25 pound (11.34 kilogram) box of oakum will require approximately 11 gallons (41.63 liters) of resin.

Packaging

Alchatek Oakum is sold in 5 pound (2.26 kilogram) or 25 pound (11.34 kilogram) cardboard boxes (five x 5 pound boxes). Each 5 pound box contains 24 pcs of 1-1/4" (3.17 cm) diameter Oakum x 8' (2.4 m) long for a total of 192 feet (58.52 m) per box.

Storage and Shelf Life

No shelf life in climate-controlled warehouse.

Safety Precautions

Avoid contact with eyes and skin, always use personal protective equipment in compliance with local regulations. Read the relevant Safety Data Sheet before use. Safety Data Sheets are available on Alchatek.com. When in doubt contact Alchatek Technical Service.

Limited Warranty

Alchatek warrants this product to be free from manufacturer's defects and to meet all published properties on current Technical Data Sheet for a period of one year if used according to published instructions and within the shelf life. The user is responsible for determining suitability for intended use and assumes all risk. No other warranties expressed or implied shall apply including any warranty of merchantability or fitness for a particular purpose. Purchaser's sole remedy is limited to the purchase price or product replacement exclusive of cost of labor or other materials.

Latest Information

Before each use read latest Technical Data Sheets, Safety Data Sheets, and instructions available at Alchatek.com. Nothing contained in any Alchatek materials or verbal instruction relieves the user of the obligation to read and follow all usage instructions and warnings for each product contained in the latest Technical Data Sheets and Safety Data Sheets. All information given by Alchatek about Alchatek products and procedures is given in good faith based on our current experience level and knowledge when materials are properly stored, handled, and applied. Jobsite conditions always vary, and for this reason Alchatek assumes no liability for the provision of such information or instructions. Neither shall any legal relationship be created by the provision of such information.

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