



Corporate Offices
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GROUT RE

EPOXY PATCHING LIQUID 100% SOLIDS FOR CONCRETE REPAIRS

RECOMMENDED APPLICATIONS

High Performance fast curing epoxy repair material for floor repairs:

- Allows overcoating in 6-8 hours
- High strength with no water added
- Excellent bond

CHEMICAL RESISTANCE

Dudick **GROUT RE** formulation provides a broad range of resistance to dilute acidic and caustic chemicals, including organic and inorganic substances, oils and salts. **GROUT RE** should not be used as a primary containment patch or coating without a corrosion barrier on top.

PHYSICAL PROPERTIES

Tensile Strength ASTM C-307	2,400 PSI
Compressive Strength ASTM C-579	14,000 PSI
Linear Shrinkage ASTM D-2566	.001 in. / in.
Coefficient of Expansion ASTM C-531	12-15 x 10 ⁻⁶ in. / in. / °F
Shear Strength to Steel	2,220 PSI
Bond Strength to Concrete ASTM D-7234	Greater than cohesive strength of concrete

SPECIFICATIONS

GROUT RE shall be epoxy based material supplied with an appropriate hardener and graded silica aggregate as manufactured by Dudick Inc. Installation shall be in accordance with the manufacturer's recommended practices.

APPLICATION INSTRUCTIONS

Dudick **GROUT RE** liquid is furnished as premeasured units to assure proper field mixing. Local purchased clean and dry silica sand and pea gravel are to be mixed with the blended **GROUT RE** liquid to make a pourable or trowelable paste for concrete repairs.

Since it is not possible to anticipate all the various conditions and situations which may occur in the field, the following surface preparation, mixing and installation instructions are provided as general procedures.

SURFACE PREPARATION

Concrete: New concrete must be cured a minimum of 28 days prior to repair. Both old and new concrete should be chipped to a depth of a 1/16" to 1/2" to assure the removal of all unsound materials and contaminants such as oil, grease, laitance and form release agents. The concrete must be thoroughly dry before installing the grout.

Primer: It is recommended that the concrete be primed with Primer 67 to wet out the concrete and enhance adhesion. On horizontal surfaces it is not necessary to achieve primer cure. **GROUT RE** may be applied to tacky primer.

APPLICATION SPECIFICATIONS

Temperature of substrate must be between 50°F and 110° F.

Relative humidity must not exceed 90%.

Substrate temperature must be 5°F above the Dew Point.

All concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D-4263.

GROUT RE MIX RATIO

Component A	1 gallon
Component B	62 fl. oz.

For 1/8" thick repairs it is recommended that Dudick G-1 silica filler be mixed into the blended **A and B Components** at the rate of about 22-25 lbs. G-1/ per gallon of mixed resin. Local 20-40 mesh sand may be substituted but a blend of mesh sizes will help in preventing resin "float" on drainage.

For thicker repairs it is recommended that the G-1 filler be reduced to 18-20 lbs. /per mixed gallon and that clean dry pea gravel be added for additional strength and work ability.

It is important to keep the filler ratio's high enough that resin doesn't float to the surface. Resin float/drainage can cause cracking, poor cure and make the surface too smooth/slick for overcoating.

CURE TIME

Grout RE cure time depends on the temperature of the foundation and the atmospheric

CLEANING

Thoroughly clean the cement mixer, wheelbarrows, buckets and other tools and equipment with xylene, MEK, or S-10 Cleaning Solvent.

Accidental spills and splashes can be cleaned up by using these same materials.

SHIPPING

Refer to Material Safety Data Sheets.

STORAGE

Warning: All Dudick products classified by DOT with either white, yellow or red labels, must not be mixed or stored together as an explosive reaction may occur.

All grout components should be stored in a cool, dry area away from open flames, sparks or other hazards. When properly stored, the shelf stability of **Grout RE** is six months. Exposure to excessive heat may cause premature gelling and may reduce available working time (pot life).

SAFETY

M.S.D.S: Material Safety Data Sheets must always be read before using products. Grouting systems are intended for application by experienced professional personnel. Dudick Inc. can supply supervision to help determine that the surface has been properly prepared, the ingredients correctly mixed, and the materials properly and safely applied.

If Grouting materials are to be applied by your own personnel or by a third party contractor, please be sure that they are aware of the following safety precautions:

- Exposure to resins and hardeners through direct skin contact and/or inhalation may cause severe dermatitis reactions in some people. Cleanliness of the skin and clothing is critical and must be of paramount concern.
- Fumes are flammable and heavier than air. Proper ventilation should be maintained to minimize breathing of concentrated fumes.
- Suitable respirators should be used during application.
- Safety glasses, gloves, and suitable protective clothing must be worn at all times during application.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Discard the clothing. Do not attempt to wash and reuse it. **Grout RE** liquids can be removed with S-10 Cleaning Solvent, MEK, or lacquer thinner. **DO NOT USE ACETONE.**
- Keep open flames and sparks away from the area where materials are being mixed and applied.



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- If a rash occurs, remove the individual from the work area and seek a physician's care for dermatitis.
- In case of eye contact, flush with water for at least 15 minutes and consult a physician.
- If swallowed, do not induce vomiting; call a physician immediately.

12/18/14

NOTE: Dudick, Inc. ("Dudick") warrants all goods of its manufacture to be as represented in its catalogs and that the manufacture of its products by its employees or sub-contractors shall be performed in a workmanlike manner. Dudick's sole obligation under this warranty shall be to replace any material which its examination shall disclose to be defective. Dudick makes no warranty concerning the suitability of its product for application to any surface, it being understood that the goods have been selected and the application ordered by the Purchaser. DUDICK, INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, THAT THE GOODS SHALL BE MERCHANTABLE OR THAT THE GOODS ARE FIT FOR ANY PARTICULAR PURPOSE. THE WARRANTY OF REPAIR OR REPLACEMENT SET FORTH HEREIN IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES ARISING BY LAW OR OTHERWISE; AND DUDICK INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWN TIME, DAMAGES TO PROPERTY OF THE PURCHASER OR OTHER PERSONS, OR DAMAGES FOR WHICH THE PURCHASER MAY BE LIABLE TO OTHER PERSONS, WHETHER OR NOT OCCASIONED BY DUDICK'S NEGLIGENCE. This warranty shall not be extended, altered or varied except by written instrument signed by Dudick and Purchaser.