



# EPOXY 7300

## General Purpose Epoxy Adhesive Binder Non-Sag Injectable Gel

**EPOXY 7300** is a multi-purpose, two component, solvent-free, moisture insensitive structural epoxy adhesive. It meets ASTM-C-881. Types I and II, Grade 3, Classes B and C for Epoxy Resin Adhesives.

### ADVANTAGES:

- Insensitive to moisture before, during and after cure
- High-modulus, high-strength, structural gel adhesive
- Excellent adhesion to concrete, masonry, metals, wood and most structural materials.
- Gel consistency ideal for vertical and overhead applications.
- Fast-setting and strength-producing adhesive.
- Easy to mix 1:1 ratio between components.

### USES:

- Structural bonding of concrete, masonry, metals, wood, etc. to maximum glue line of 1/2 inch.
- Grouting bolts, dowels, pins, vertical and overhead, etc.
- Seals cracks and around injection ports prior to pressure-injection grouting.
- Interior, exterior, vertical and overhead repair of concrete as an epoxy mortar binder.

### COVERAGE:

**Bonding Adhesive** – 1 gallon yields 231 cu. In. of epoxy gel adhesive.

**Epoxy Mortar** – 1 gallon of adhesive, when mixed with 1 gallon by loose volume of oven-dried aggregate, yields 346 cu. In. of epoxy mortar.

**SHELF LIFE:** 2 year in original unopened container.

**STORAGE CONDITIONS:** Store at 40° - 95° F. Condition material to 65° - 85° F before using.

**CONSISTENCY:** non-sag gel, approximately 85,000 cps.

**POT LIFE:** Above 30 minutes

### APPEARANCE:

Component A = White

Component B = Gray

### HOW TO USE:

#### **Surface Preparation**

Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign particles and disintegrated materials.

#### **Preparation Work**

Concrete – Sandblast or use other approved mechanical means.

Steel – Sandblast to white metal finish.

#### **Mixing**

Pre-mix each component thoroughly. Place 1 part by volume of component A and 1 part by volume of component B into a clean pail. Mix thoroughly for 3 minutes with low-speed drill (400-600 rpm) until uniformly blended.

Mix only the quantity that can be used within its pot life.

**To prepare an epoxy mortar**, slowly add 1 part by loose volume of an oven-dried aggregate to 1 part of the mixed EPOXY 7300 and mix until uniform in consistency and color.

### PHYSICAL PROPERTIES:

ASTM TEST	RESULTS
D-695 Compressive Strength.....	11,236 psi
D-732 Shear Strength.....	3,550 psi
D-638 Tensile Strength.....	2,940 psi
D-790 Flexural Strength.....	5,582 psi
C-882 Bond Strength.....	2,460 psi
D-570 Absorption.....	0.63%
C-883 Shrinkage.....	Complies
C-884 Thermal Compatibility.....	Complies

**APPLICATIONS:**

**As a structural adhesive** – Apply the neat EPOXY 7300 to the mating or non-mating prepared substrates. Work into the substrate for positive adhesion. Secure the bonded unit firmly into place until the adhesion has cured. Glue line should not exceed 1/8 inch.

**To seal cracks for injection grouting** – Place the neat mixed material over the cracks to be pressure injected and around each injection port. Allow sufficient time to set before pressure injecting.

**To anchor bolts, dowels and pins** – Annular space around bolts should not exceed 1/8 inch; depth of embedment is typically 10-15 times the bolt diameter. Grout with neat EPOXY 7300.

**For interior vertical and overhead patching** – Place the prepared mortar in void, working the material into the prepared substrate, filling the cavity. Strike off level. Lifts should not exceed 1 ½ inch.

**CAUTION:**

**Component A – Irritant** - Prolonged contact with skin may cause severe burns. Avoid eye contact.

**Component B – Corrosive** – Contact with skin may cause severe burns. Avoid eye contact.

Product is strong sensitizer. Use of safety goggles and chemical-resistant gloves recommended. Avoid breathing vapors. Use adequate ventilation. Use of a NIOSH/MSHA organic vapor respirator recommended.

**FIRST AID:**

Remove any contaminated clothing. For eye contact, flush immediately with plenty of water for

**LIMITED WARRANTY:** Greenstreak warrants its products to be free of manufacturing defects and that they will meet Greenstreak's current published physical properties when applied in accordance with Greenstreak's directions and tested in accordance with ASTM and Greenstreak's standards. There are no other warranties by Greenstreak of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Greenstreak shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty, whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose or from any other cause whatsoever. Greenstreak shall also not be responsible for use of this product in a manner to infringe on any patent held by others.

at least 15 minutes' contact physician immediately. For respiratory problems, move person to fresh air. For skin contact, remove epoxy immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water. Solvents should not be used because they carry the irritant into the skin. Wash clothing prior to re-use. Cured epoxy resins are innocuous.

**CLEAN UP:**

Collect with absorbent material, flush area with water. Dispose of in accordance with local disposal regulations. Uncured material can be removed with approved solvent. Cured material can only be removed mechanically.

**PACKAGING:**

55 gallon drums  
5 gallon pails  
1 gallon cans  
Cartridges

**LIMITATIONS:**

- Minimum surface temperature 40° F.
- Do not thin...Solvents will prevent proper cure.
- Use oven-dried aggregate only.
- Maximum epoxy mortar thickness is 1 ½ inch per lift.
- Material is a vapor barrier after cure.
- Minimum age of concrete must be 21-28 days, depending on curing and drying conditions prior to mortar applications.
- Porous substrates must be tested for moisture-vapor transmission prior to mortar applications.
- Not for sealing cracks under hydrostatic pressure.

# GREENSTREAK, INC.

3400 TREE COURT INDUSTRIAL BOULEVARD  
ST. LOUIS, MO 63122 USA

PHONE: 800.325-9504 OR 636.225-9400

FAX: 800.551-5145 OR 636.225-2049

www.greenstreak.com • email: info@greenstreak.com