

Sika® Epoxy 7300

General Purpose Epoxy Adhesive Binder Non-Sag Injectable Gel

Description	Sika® 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.
Where to Use	<ul style="list-style-type: none"> ■ Structural bonding of concrete, masonry, metals, wood, etc., to maximum glue line of 1/2 inch thick ■ 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 bind
Advantages	<ul style="list-style-type: none"> ■ Insensitive to moisture before, during and after cure ■ High-modulus, high-strength, structural gel adhesive ■ Excellent adhesion to concrete, masonry, metals, woods 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
Typical Data	
Coverage	<p>Bonding Adhesive - 1 gallon yields 231 cu. in. of epoxy gel adhesive</p> <p>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</p>
Packaging	<p>1 gallon</p> <p>2 gallons</p>
Cure Mechanism	Once the epoxy is placed it should not be disturbed during the curing process. Cure time depends on air and surface temperature as well as mass of epoxy. Based on environmental conditions, a full cure should take approximately 1 day.

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
Consistency	non-sag gel, approximately 85,000 cps
Pot life	Above 30 minutes at approximately 70°F
Appearance	Component A = White Component B = Grey

*Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.



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Waterproofing

Chemical Resistance	Not intended for use in chemical resistant applications.
How to Use	
Surface Prep	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 Sika® Epoxy 7300 and mix until uniform in consistency and color.
Application	As a structural adhesive - Apply the neat Sika® 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 thick. 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. For interior 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 1/2 inch.
Limitations	<ul style="list-style-type: none">■ Minimum surface temperature 40°F■ Do not thin. Solvents will prevent proper cure■ Use oven-dried aggregate only■ Maximum epoxy mortar thickness is 1 1/2 inch per lift■ Material is 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■ Do not expose stored product to cold or freezing temperature (below 35°F, 2°C) for any length of time.
Shelf Life	2 years in original unopened container.
Storage	Store at 40°- 95°F. Condition material to 65°-85°F before using.
Conditioning	Condition materials to 65°-85°F before using.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY • FOR PROFESSIONAL USE ONLY

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Sika Greenstreak Sales Office
3400 Tree Court Industrial Blvd.
St. Louis, MO 63122
Tel: (636) 225-9400
Fax: (636) 225-2049
usa.sika.com

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: (201) 933-8800
Fax: (201) 933-6225
usa.sika.com

Sika Canada Inc.
601, Delmar Avenue
Pointe-Claire, QC H9R 4A9
Phone: (514) 697-2610
Fax: (514) 697-3087
can.sika.com

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