

PRODUCT DATA SHEET

Greenstreak® Epoxy-7300

HIGH MODULUS, HIGH STRENGTH, STRUCTURAL, EPOXY PASTE ADHESIVE

PRODUCT DESCRIPTION

Greenstreak® Epoxy-7300, Hi-Mod Gel, is a 2-component, 100% solids, solvent-free, moisture-tolerant, high-modulus, highstrength, structural epoxy paste adhesive. It conforms to the current ASTM C-881, Types I and IV, Grade-3, Class-B/C and AASHTO M-235 specifications.

USES

- Watertight gasket between retrofit waterstop profile and existing concrete substrate.
- Structural bonding of concrete, masonry, metals, wood, etc. to a maximum glue line of 1/8 in. (3 mm).
- Grout bolts, dowels, and pins.
- Seals cracks and around injection ports prior to pressure-injection grouting.
- Interior, vertical, and overhead repair of concrete as an epoxy mortar binder.

CHARACTERISTICS / ADVANTAGES

Meets physical requirements of ASTM C-881 Types I, II & IV, Grade 3, Classes B & C.
 Suitable for potable water contact.
 Excellent adhesion to concrete, masonry, metals, wood, and most structural materials.
 Paste consistency ideal for vertical and overhead repair of concrete.
 Fast-setting and strength-producing adhesive.
 Convenient easy mix ratio A:B = 1:1 by volume.

PRODUCT INFORMATION

Chemical Base	2 component epoxy non-sag paste.
Packaging	1 Gallon
Color	Component A: White Component B: Grey Mixed (A+B): Grey
Shelf Life	2 years in original, unopened containers.
Storage Conditions	Store dry at 40°-95°F (4°-35°C).
Volatile organic compound (VOC) content	4 g/L (A+B Combined)
Consistency	Non-sag gel, approximately 85,000 cps

TECHNICAL INFORMATION

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

APPLICATION INFORMATION

Mixing Ratio	1:1 (A:B)
Coverage	1 gallon yields 231 cu. in. of epoxy gel adhesive
Layer Thickness	Maximum 1-1/2 inch per lift
Substrate Temperature	Minimum 40°F
Pot Life	Above 30 minutes at approximately 70°F
Cure Time	Approximately 1 day

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Surface must be clean and sound. It may be dry or damp, but free of standing water.

SUBSTRATE PREPARATION

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 METHOD / TOOLS

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.

AVAILABILITY/WARRANTY

Condition Materials to 65°F - 85°F before using

BASIS OF PRODUCT DATA

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

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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