

KAUFMAN

PRODUCT
INFORMATION

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SureGrout HiFlow

Description

SureGrout HiFlow is a precision made, ready to use, non-shrinking, non-metallic grouting compound for use in construction trades and plant maintenance when ever a high tolerance, high strength and high fluidity are required. It is composed of a balanced blend of dry inorganic compounds, special cements, tough, high strength properly graded quartz aggregates, plus other proprietary ingredients. SureGrout HiFlow is formulated to provide consistent and exacting performance in critical grouting operations. It expands at a controlled rate to take up for the volumetric voids created by water evaporating from the mix. This ensures high strength and intimate contact with surrounding surfaces and its resultant load-carrying ability.

SureGrout HiFlow is unique in the fact that it provides a very high flow mix that is extremely placeable for easy field use. It is slightly retarded to provide excellent working time, even at high ambient temperatures.

Uses

Recommended for heavy duty grouting of machinery and equipment, structural columns, and crane rails. Also use on bridge seats, bearing plates and anchorages.

Features

- Non-bleeding
- Water and oil resistant
- Non-corrosive
- Flowable
- Precision blended
- Economical
- Non-staining

Technical Engineering Data

Compressive Strength, ASTM C-109

1 day	2000 psi
7 days	4200 psi
28 days	6000 psi

Volume Change, ASTM C-1090 & CRD C-621
1, 7, & 28 days + 0.03%

Flexural Strength, ATM C-78

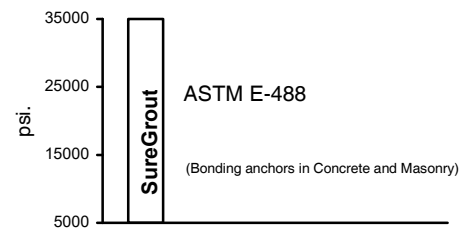
7 days	1190 psi
28 days	1310 psi

Setting Time, ASTM C-191

Initial Set	3.45 hours
Final Set	5.10 hours

Pull Out Strength

All grouts should provide high bond strength to anchors and to the concrete in which they are embedded. SureGrout HiFlow provides over 35,000 psi when the anchor is placed in tension.



Packaging/Yield

50 lb. Moisture resistant, 4 ply bag with polyethylene liner. Each bag yields .45 cu. ft. or 777 cu. in. when mixed normally.

Compliances

ASTM	C-109	CRD	C-227
	C-157		C-621
	C-827		
	C-1107		

Mixing Ratios

Fluidity	Bags <u>SureGrout</u>	Qts. <u>Water</u>
Fluid	1	4.8
Flowable	1	3.6
Plastic	1	3.0

Do not ever add plasticizers, accelerators, retarders, or any other ingredients besides potable water unless advised by Kaufman Products in writing.

Directions

See separate sheet with complete directions

Pumping

SureGrout HiFlow may be pumped successfully using a ChemGrout CG-550P Grout pump and mixer or similar pump.

Hoses

Heavy duty grout hoses with an abrasion resistant lining should be used. Hoses should be equipped with internally expanded ends and quick disconnect fittings that eliminate pressure build-up. Hoses must have an internal diameter of a minimum of 1".

Specifications

All grouting shall be done with SureGrout HiFlow as manufactured by Kaufman Products, Inc. Baltimore, Maryland. The grout shall be mixed according to directions furnished by the manufacturer and installed in accordance with their directions. Perform all grouting work in accordance with the recommendations of the American Concrete Institute for mixing and placement of concrete.

Contractors using this product are encouraged to review "Recommended Field Procedures for SureGrout". *Read Safety Data Sheet before using.*

Technical Information

Test results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.

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