

K A U F M A N

PRODUCT
INFORMATION

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SureGrout 106

Description

SureGrout 106 is a precision made, ready to use, non-shrinking, air entrained, non-metallic grouting compound for use in construction trades and shear key grouting. 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 106 does not contain slow reacting and unpredictable aluminum powders.

SureGrout 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 is unique in the fact that its special formulation requires less water to produce a workable mix than other grouts. This means that the important water/cement ratio is lower and consequently a denser, stronger grout is produced. At the same time, less water means less shrinkage compensation.

Uses

Structural columns, bearing plates, anchor bolts shear Key filling, precast columns, foundation underpinnings, prestressed cables, precast joints, cable anchorages, patching holes and cracks, post tensioned strands, machine pads.

Features

- Air Entrained
- Non-raveling
- Non-rusting
- Water and oil resistant
- Non-corrosive
- Pumpable
- Precision blended
- Economical

Technical Data

High Strength

Certified independent laboratory tests under field conditions show SureGrout 106 provides high strengths so high, that they exceed design requirements and provide a large margin of safety for field variation. The below tests were placed at normal consistency and not water immersed, or fog cured for higher results.

Non-Shrink

All grouts should be non-shrinking to properly carry the intended load. Sand/cement grouts shrink and provide no load carrying ability. To compensate for shrinkage, some grouts over expand, which exerts undesirable upward pressure on base plates.

Packaging/Yield

50 lb. moisture resistant, 2 ply bag with polyethylene liner. Each bag yields .45 cu. ft. or 777 in³ when mixed normally. SureGrout is also available in 3,000 lb. bulk bags that yield 27 ft³.

Set Time (ASTM C-266)

Initial: 4 hours
Final: 5.5 hours

Compliances

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

Mixing Ratios

Fluidity	Bags SureGrout	Quarts of Water
Plastic (NY DOT 701-05)	1	2.75
Flowable (NY DOT 701-06)	1	3.09

Pumping

SureGrout 106 can be pumped successfully using a ChemGrout CG-550P Grout pump and mixer or similar pump.

Technical Information

(The following results were achieved under laboratory conditions.)

Shelf Life One year in original, unopened bags

Storage Conditions Store dry at 40-95°F

Color Concrete Gray

Working Time at 72°F 45 minutes

Compressive Strength, psi.

(ASTM C-109)

	2.75 qts. (Plastic)	3.09 qts. (Flowable)
1 Day	4,400	2,400
7 Days	7,800	6,400
28 Days	9,000	7,600

Expansion

(ASTM C-1090)

	2.75 qts. (Plastic)	3.09 qts. (Flowable)
3 days	.01%	.01%
7 days	.06%	.06%
14 days	.06%	.06%
28 days	.06%	.06%

Early Height Change

(ASTM C-827, maximum 4%.)

+0.68%

Flexural Strength, psi.

(ASTM C-293)

1,000-1,400

Freeze Thaw Resistance

AASHTO T 161

Subjected to 25 cycles

-10F – +70F in 10% NaCl Solution

Max 3% loss required.

1.00%

Bond Strength, psi.

(ASTM C-882)

28 Days 1,800-2,000

Tensile Splitting Strength, psi.

(ASTM C-496)

28 Days 500-600

Directions

See separate sheet with complete directions titled,
Recommended Field Procedures for SureGrout.

Specifications

All grouting shall be done with SureGrout 106 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.

For professional use only. Not for sale to or use by the general public.

LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salesmen, distributors and their salesmen have no authority to change the printed recommendations concerning the use of our products.