

K A U F M A N

PRODUCT
INFORMATION

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SureGrout Plus

Description

SureGrout Plus is a precision made, ready to use, non-shrinking grouting compound for use in construction trades and plant maintenance. It is composed of a balanced blend of dry inorganic compounds, special cements, tough, high strength properly graded quartz aggregates, Silica Fume and other proprietary ingredients. SureGrout Plus does not contain slow reacting and unpredictable aluminum powders.

SureGrout Plus expands at a controlled rate to take up for the volumetric voids created by water evaporating from the mix. This insures high strength and intimate contact with surrounding surfaces and its resultant load-carrying ability.

SureGrout Plus is unique in the fact that its special formulation requires less water to produce a workable mix than all other non-metallic grouts. This means that the important water/cement ratio is lower than other grouts and consequently a denser, stronger grout is produced. At the same time, less water means less shrinkage compensation. In addition, the silica fume enhancement acts as a densifying agent, making it significantly more resistant to chloride ion penetration, including deicing salts and salt-water.

Uses

Structural columns Bearing plates; Anchor bolts
Precast columns; Foundation underpinnings
Prestressed cables; Precast joints; Cable anchorages; Patching holes and cracks; Post tensioned strands; Machine pads; Tilt-up panels; Bridge and Pier repair.

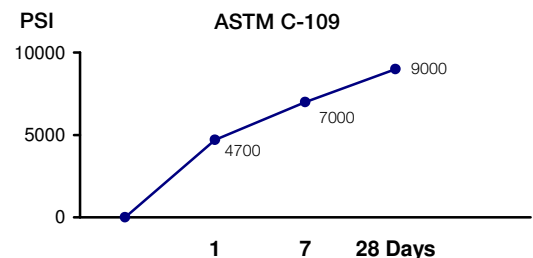
Features

- Non-raveling
- Non-rusting
- Water and oil resistant
- Non-corrosive
- Pumpable
- Precision blended
- Economical
- Non-bleeding
- Expansion/contraction rate similar to concrete
- Silica Fume Enhanced

Technical Data High Strength

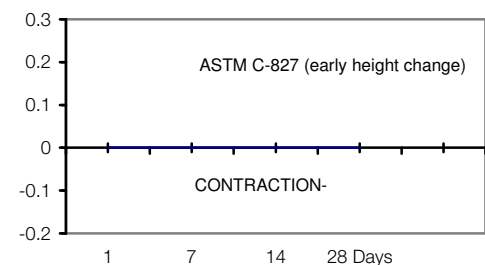
Certified independent laboratory tests under field conditions show SureGrout Plus provides high strengths. So high in fact, that they exceed design requirements and provide a large margin of safety for field variation. The above tests were placed at fluid consistency and not water immersed or fog cured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

Compressive Strength - Normal Mix



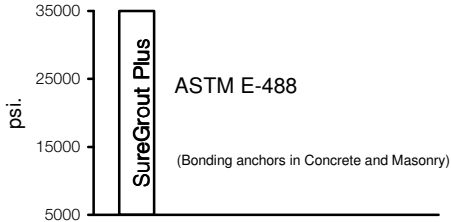
Non-Shrink

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



Pull Out Strength

All grouts should provide high bond strength to anchors and to the concrete in which they are embedded. Sure Grout Plus 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.

Set Time

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 | Qts. |
|-----------|-----------------------|--------------|
| | <u>SureGrout Plus</u> | <u>Water</u> |
| Shear Key | 1 | 4.5 |
| Flowable | 1 | 4.0 |
| Normal | 1 | 3.6 |
| Dry-Pack | 1 | 2.9 |

Directions

See separate sheet with complete directions

Pumping

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

Specifications

All grouting shall be done with SureGrout Plus 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 Material Safety Data before using.