



# Manufacturers of Professional Grade Cement & Construction Products Since 1967

7/01-1

## PRO SURE FLOW

### SUPER PLASTICIZER FOR CEMENTS AND CONCRETE

#### DESCRIPTION:

**PRO SURE FLOW** is a highly active super plasticizer specifically developed to achieve highly improved concrete flow properties.

**PRO SURE FLOW** is an effective dispersant, fluidifier and high range water reducing agent, which produces excellent rheological properties in cements and concrete's.

#### USES AND APPLICATIONS:

- Pumping concrete
- Marine concrete
- Guniting concrete
- Pre-cast concrete
- Pre-stressed concrete
- Architectural concrete
- Specially shaped concrete
- Lightweight concrete
- Fly Ash concrete
- Silica Fume concrete

#### ADVANTAGES:

1. Improves the flow of concrete mixes by breaking up the cement agglomerates.
2. Increases the mechanical properties of concrete, i.e. compressive and flexural strengths, and modulus of elasticity.
3. Good for self leveling cements
4. Helps in achieving high early strengths
5. Creates good workability
6. Low water-cement ratio, reduction up to 30%
7. Reduced cement
8. Very high strength

#### MIXING:

**PRO SURE FLOW** is normally used at a dosage of 200-1000 grams per 100 kilograms of cement. This equates to ¼ lb. to 2 lb. per 220 pounds of cement.

Other doses depend on specific conditions.

#### CONCRETE WORKABILITY:

**PRO SURE FLOW** helps concrete remain workable for approximately one hour at 68 F (20 C). The duration of workability depends not only on the temperature, but also on the type and brand of cement, the nature of the aggregates, the methods of mixing and the method of transportation.

When **PRO SURE FLOW** is added at normal doses, it will not significantly affect the concrete's heat of hydration.

#### PACKAGING:

**PRO SURE FLOW** is available in 55 pound bags.

#### SHELF LIFE:

When stored in original, un-opened container, one year. Rotate your stock.

#### PRECAUTIONS:

- Dispose of waste materials in accordance with Federal, State and local regulations.
- The use of a dust mask, safety goggles and rubber gloves are recommended.
- **CAUTION:** Contains Portland Cement which is highly caustic.
- Use only with adequate ventilation
- Keep out of reach of children

#### TYPICAL PROPERTIES:

Solid content:	92.0-94.0%
Sulfate content:	3.0% maximum
Ph of 10% solution:	7.0-9.0
Bulk Density:	0.65g/ml
Chlorides:	650 maximum
Ionic nature:	Anionic
Solubility:	Soluble in hard or soft water
Appearance:	Light brown powder

#### GENERAL INFORMATION:

Please contact CGM, Inc. at any of the following numbers for customer service or technical assistance:

Voice: 215-638-4800

Toll Free: 800-523-6570

Fax: 215-638-7949

E-Mail:

Sales /Technical: [ebrunner@cgmcement.com](mailto:ebrunner@cgmcement.com)

[bruby@cgmcement.com](mailto:bruby@cgmcement.com)

Technical: [fkinney@cgmcement.com](mailto:fkinney@cgmcement.com)

Inside Sales: [ckuffman@cgmcement.com](mailto:ckuffman@cgmcement.com)

On the web @: [www.cgmbuildingproducts.com](http://www.cgmbuildingproducts.com)

**WARRANTY:**

**CGM INC.** warrants this product to be free of manufacturing defects. The sole responsibility and maximum liability of **CGM** under this warranty shall be at **CGM's** option, either (1) to replace the defective product in the form the product was purchased but not in the form the product was installed or used, or (2) to refund the purchase price of the product. In no event shall **CGM** be liable to the purchaser or to any third party for any loss or damage, of any type, including but not limited to incidental and/or consequential damage, resulting from the purchase or use of this product. In the event of any claim under this warranty, written notice must be given by registered mail.

This warranty is in lieu of all other warranties, expressed or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. Information contained herein is for evaluation purposes only. While **CGM** believes this information to be true and accurate as of this printing of this material, **CGM** shall have no obligation to notify purchasers of any error which is subsequently discovered in this information. **CGM** reserves the right to modify or improve any of its products, at any time without prior notice.

CGM, INC., 1445 FORD RD., BENSALEM, PA. 19020, VOICE: 215-638-4400 FAX: 215-638-7949

WEB: [www.cgmbuildingproducts.com](http://www.cgmbuildingproducts.com)

