

enFLOW

Technical Data Sheet (02/04/14)

HIGH RANGE WATER REDUCER FOR CONCRETE COUNTERTOPS AND SINKS



PRODUCT DESCRIPTION

enFLOW is a ready to use high range water reducing admixture specifically developed for enCOUNTER, the Professional Concrete Countertop System, for use in concrete countertops, concrete sinks and thin wall panels. enFLOW delivers flowability and high strengths without the retarding and foaming issues associated with many slump modifiers. enFLOW has been formulated to enhance the already high performance characteristics of enCOUNTER by increasing flow characteristics for use with double sided concrete sink molds, one time use sink molds and thin wall panels.

enFLOW does not contain any added chlorides or chemicals known to promote corrosion of steel or known to contribute to the growth of bacteria in kitchen or bathroom environments.

BENEFITS AND FEATURES

- Improves appearance of SCC (self consolidation concrete) mixes
- Adds to a higher strength of concrete
- Maximizes efficiency for slump or flow increase
- Contributes to an efficient use of labor, materials and equipment

RECOMMENDED APPLICATIONS

enFLOW is perfect for double molded concrete sinks, high performance concrete, self consolidating concrete, precast/prestressed concrete, thin wall panels, low water/cement ratio concrete, and high early strength applications.

PROPERTY PROFILE

Tensile Strength: ASTM D 638: 4,500 to 5,000 psi
Mandrel Bend ASTM D 522: Passes, no cracking, 1/8" mandrel bend.
Falling Sand Abrasion Resistance ASTM D 968: Clear...30 liters sand/ 1 dry mil

INSTRUCTION FOR USE

MIXING: Typical doses are from .25 oz. to 2 oz. of enFLOW for each 50 lb. bag of enCOUNTER when casting into sink molds. A typical formula may be 68 oz. of water and 1 oz. of enFLOW per bag of enCOUNTER. This represents a 20% water reduction from the normal 85 oz. of water per bag enCOUNTER. You will notice little or no segregation at this rate. Using enFLOW will mean using less water to achieve desired flow characteristics. Run trial batches to determine the appropriate ratios for your particular casting application.

enFLOW is especially helpful when casting sinks or wall panels as the enhance flowability results in smooth castings and strength is increased for thin wall pieces. (See Tech Data Sheet for Thin Wall Technology) Run trial batches to determine the appropriate ratios of water and enFLOW for your particular casting application.

NOTE: Fritz-Pak NCA (Non-Chloride Accelerator) may be used with enFLOW at a rate of one half to two 5.6 oz. bags of NCA to each bag of enCOUNTER for faster demolding of the sink molds. Please chart all pertinent data: time; temperature; and all admixtures to establish protocol.

LIMITATIONS: Use of enFLOW will create difficulty in hand finishing exposed surface.

Please note: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc.

CLEAN UP

Use water. Dispose of containers in accordance with local and federal regulations.

SHELF LIFE

enFLOW has a shelf life of one year in it's original, sealed, unopened container.

PACKAGING

enFLOW is packaged in 8 ounce bottle and a 58 ounce tub.

PRECAUTIONS AND LIMITATIONS

- Care should be taken to maintain enFLOW above freezing. If frozen, material may not reconstitute.
- Keep out of reach of children!
- Use appropriate personal safety protection gear such as particle masks, eye protection and gloves.
- The statements made within this technical data sheet, SDS, product labels, etc are guidelines only. The end user should always perform tests and product evaluations prior to application to ensure suitability for particular uses.

SPECIAL NOTES

Please consult Safety Data Sheet (SDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 866-906-2006.

WARRANTY

SS Specialties warrants our products to be of good quality, free of defects and will conform to our published specification in force on the date of acceptance of the order. As the exclusive remedy for breach of this warranty, SS Specialties will replace defective materials ninety days after SS Specialties has shipped the product, all our warranty and other duties with respect to the quality of materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any said duties may thereafter be commenced. No warranty is expressed or implied as to the length of life of this product or merchantability or fitness. Liability, if any is limited to the purchase price of the material under no circumstances will SS Specialties be liable for a consequential damage to any in excess of the purchase price of their product.



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