



**805**  
**Construction Grout - Winter Grade**

**DATA SHEET NO. 3600-805**

**DESCRIPTION**

Grouting in cold weather is even more hazardous than normal concrete placement operations. This is because the fresh grout is usually placed in relatively thin layers, two or three inches thick, and is in direct contact with cold steel and/or cold foundation concrete. Some warmth is necessary for Portland cement to set but any heat generated by the grout is immediately robbed by these cold confining surfaces. Extremely retarded set, slow strength gain and the possibility of frozen grout can be the result.

Some heating and protection is still required with this product, but such extras are minimized.

**Limitations**

Using 805 Construction Grout - Winter Grade involves working within a time framework of 24 hours during which some external heating measures are required, depending on the severity of the weather. After this period however, the flowable 805 Construction Grout - Winter Grade will have developed sufficient strength for structural purposes and is in no danger of freezing at later dates.

**Physical Properties**

Strength gain of flowable grout - 2" cubes confined (CRD-C621 on 140% flow value).

Temperature	24 Hours	72 Hours	7 Days	28 Days	50 Days
Cast & Cured @ 40°F	1500 psi 10 MPa	2500 psi 17 MPa	4500 psi 31 MPa	6000 psi 41 MPa	8000 psi 44 MPa
Cast & Cured @ 70°F	3000 psi 20 MPa	4400 psi 30 MPa	5000 psi 35 MPa	7500 psi 50 MPa	8000 psi 55 MPa

**Packaging**

25 Kg multi-all paper bags

**Installation Instructions**

**Flowable grout consistency** - use approximately 1.1 - 1.2 gal (4 - 4.5 L) of water per 25 kg bag

**Dry pack consistency** - use only sufficient water to produce a coherent ball when squeezed tightly in the hand. Sprinkle water over dry mixture and work in with a shovel. Mixed grout must be rammed in place with a hardwood or metal tool.

**Strength gain of dry pack grout** - this will depend on the availability of the laborer to create the proper consistency and to ram the grout effectively in place. Mixed and placed in a workman-like fashion, the dry pack grout will exceed the strength of the flowable mix given above.

**Grouting in Late Fall**

[Temperatures for a 24-hour period are below freezing but NOT below 20°F (-6.7°C)]

Remove ice and snow and warm the steel base plate and foundation concrete using a propane torch just prior to grouting.

Heat mixing water in a drum container heated by a torch or a fire.

Pour Grout in place and immediately cover with fiberglass insulating bats or straw.

**Grouting in Winter**

[Temperatures are below 20°F (-6.7°C)]

Bring the area to be grouted up to above freezing and keep it there for 24 hours. Follow sequence above.

continued...

**W. R. MEADOWS OF WESTERN CANADA**  
**38 Rayborn Crescent, St. Albert, AB T8N 5B4**  
**Phone: (780) 458-8773 • Fax: (780) 458-1173**

Hampshire, IL / Cartersville, GA / York, PA / Fort Worth, TX  
 Benicia, CA / Pomona, CA / Goodyear, AZ / Milton, ON /  
 St. Albert, AB  
[www.wrmeadows.com](http://www.wrmeadows.com)

For most current data sheet, further LEED information  
and MSDS, visit [www.wrmeadows.com](http://www.wrmeadows.com)

2009/03



© SEALTIGHT is a registered trade mark of W. R. Meadows

**WARRANTY:** W.R. MEADOWS of Western Canada warrants that, at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OF TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Three (3) months after W.R. MEADOWS of Western Canada has shipped the materials, all our Warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates and no action for breach of any such duties may thereafter be commenced. W.R. MEADOWS of Western Canada shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured by W.R. MEADOWS of Western Canada. We cannot warrant or in any way guarantee any particular method of use or application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salesmen, distributors or representatives, or by our distributor's representatives, or by any sales information or drawings.