



MasterFlow® 4316

Next Generation Precision Machinery Grout

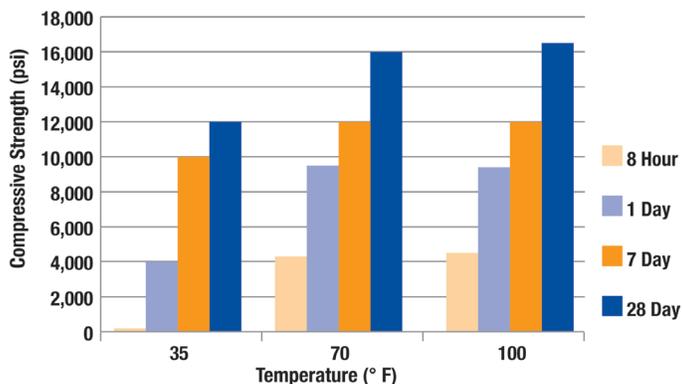
**The strength of an epoxy with the ease
of application of a cementitious grout**

New to BASF's **MasterFlow** grout offering, this advanced material technology builds on a century of respected experience in industrial grouting applications. Masterflow 4316 incorporates the latest binder packing models and applied nanotechnology to produce a grout with superior technical performance, unique rheological properties, extended open times and wide application and in service temperature windows.

High Early and Ultimate Strengths in a Wide Range of Application and Service Temperatures

Ultra High Strength Hybrid Hydraulic Grout offers Placement and In Service Advantages

MasterFlow 4316 is a unique grout that provides high early and ultimate compressive strengths over a wide variety of application and service temperatures. The superior performance of MasterFlow 4316 lies in its novel hydraulic cement binder with applied nanotechnology and premium mineral aggregates which, when mixed with water, produces a flowable and pumpable grout that can be installed in temperatures ranging from 35 to 100° F (2 to 38° C).



MasterFlow 4316 grout features:

- High early compressive strength
 - up to 4,300 psi at 8 hours
 - 8,000 psi at 1 day
 - 16,000 psi ultimate strength
- 95% Effective Bearing Area
- Extremely dense material with proven fatigue resistance – durable
- Outstanding shrinkage, impact and vibration resistance
- Ability to place in cold weather (35° F / 2° C)
- In service temperatures up to 1000° F (538° C)
- Homogeneous, flowable and pumpable
- Application advantage – one component, easy mixing, placement and cleanup

Hybrid hydraulic grout providing the valued benefits of STRENGTH and SPEED

- Keeps jobs on schedule
- Reduces shutdown times

Typical Applications:

- Grouting of equipment, such as compressors and generators, pump bases and drive motors, tank bases, conveyors, foundations, etc.
- In cold weather, when tenting and/or heating are impractical
- Where high early and later-age compressive strengths are required
- Where high service temperatures are present
- Where a non-shrink grout is required for optimum load transfer

Master Builders Solutions from BASF

The Master Builders Solutions brand brings all of BASF's expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of BASF construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas

of expertise and regions and draw on the experience gained from countless construction projects worldwide. We leverage global BASF technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction. The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, concrete repair and protection solutions, performance grouts, performance flooring solutions.

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