



**HOPE**  
Construction Materials

This premium quality concrete is designed to flow around all types of trenches to fully fill all trench voids and intersections. The self-compacting properties of **HOPEFlow Foundation™** mean that deployment is quick, safe, simple and cost effective on small and large scale projects.



**HOPE™**  
**Flow**  
FOUNDATION

DATASHEET

**HOPEFlow Foundation™** is able to flow and consolidate on its own. At the same time it is cohesive enough to fill spaces of almost any size and shape without segregation or bleeding. This makes **HOPEFlow Foundation™** particularly useful wherever placing is difficult.

**HOPEFlow Foundation™** is highly flowable, non-segregating concrete that can spread into place under its own weight to fill formwork and encapsulate extremely congested reinforcing steel, with no mechanical vibration. The unique properties of **HOPEFlow Foundation™** give it significant economic, constructability and aesthetic performance on conventional construction projects. **HOPEFlow Foundation™** allows for rapid concrete placement with significantly reduced labour requirements, consolidation and finishing.

#### Testing **HOPEFlow Foundation™**

**Slump Flow** – This test method evaluates the ability of the concrete to flow under its own weight in an unconfined condition. This test method involves filling an inverted slump cone full of concrete without consolidating the material on a non-absorbent rigid surface, lifting the slump cone and measuring the diameter of the resulting concrete that is formed.

#### Uses

- ✘ Commercial foundations
- ✘ Domestic foundations
- ✘ Trench applications

#### Benefits

- ✘ Instant product flow on application
- ✘ No vibration or compacting needed
- ✘ Speed and ease of use

**HOPEFlow Foundation™**  
– for use in  
all foundation  
applications



#### SPECIFICATION OVERVIEW

Maintenance of fluidity	= 1.5 hours
compressive strength at 28 days	= minimum 20N/mm <sup>2</sup> - designed to meet customer requirements

## Cost Saving

**HOPEFlow Foundation**<sup>TM</sup> can flow into trenches from a single access point and requires no compacting, so there is no need to hire vibrating equipment.

The cost of placing **HOPEFlow Foundation**<sup>TM</sup> is lower than conventional concrete due to the unique way it is designed to flow into place with little or no manual intervention resulting in lower labour costs and increased speed of pouring which means a reduction in time taken. The highly fluid nature of **HOPEFlow Foundation**<sup>TM</sup> means that foundations can be poured from a single point, filling complex or difficult to reach foundations which would usually mean the hire of a concrete pump.

The advanced concrete technology employed in the formulation of **HOPEFlow Foundation**<sup>TM</sup> ensures stability and resistance to segregation of the mixture, which are common problems experienced with other methods of increasing the workability of concrete such as the addition of water which will also weaken the concrete and reduce its durability.

In addition to the cost, time and quality benefits there is also the opportunity for improved on-site health and safety as a result of reduced manual handling and reduced noise so providing a safer working environment.

## Benefits

- ✗ **HOPEFlow Foundation**<sup>TM</sup> is the equivalent of a Gen 1 or 3 or any trench/ footing mix up to a 35N/mm<sup>2</sup> strength requirement.
- ✗ It is a fast flowing self-compacting product that only requires one pouring point to flow around the whole trench/ footing
- ✗ There are low labour requirements for the material to be placed
- ✗ **HOPEFlow Foundation**<sup>TM</sup> can be designed to accommodate a variety of aggressive ground conditions

## Delivery

No special equipment is required to take delivery of **HOPEFlow Foundation**<sup>TM</sup> and as long as suitable access can be gained by the truckmixer to some part of the trench a level surface can usually be obtained along the length of the foundation with minimal effort. **HOPEFlow Foundation**<sup>TM</sup> can be pumped if necessary over greater distances than conventional mixes.

Please contact your local office for further information about **HOPEFlow Foundation**<sup>TM</sup> in your area.



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The information given in this technical datasheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Hope Construction Materials endeavours to ensure that the information given is accurate but accept no liability for its use or its suitability for a particular application because of the product being used by the third party without our supervision.

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