BREEDONFlow® Finish IS A SUPERIOR PERFORMANCE PRODUCT FOR FLOORING APPLICATIONS AND OTHER HORIZONTAL SLABS.

It significantly reduces the effort of laying slabs and floors flowing gently into position with no need to undertake time-consuming and costly compacting processes. Power floating is not required as this product has been expertly designed to achieve a high quality finish.

BREEDONFlow® Finish is highly flowable, non-segregating concrete that can spread into place under its own weight, enabling it to encapsulate extremely congested reinforcing steel and/or complicated formwork, with no mechanical vibration required.

The unique properties of BREEDONFlow® Finish offer significant economic, constructability and aesthetic performance on conventional construction projects.

BREEDONFlow® Finish allows for rapid concrete placement with significantly reduced labour requirements, consolidation and finishing. The outstanding flow characteristics of BREEDONFlow® Finish can also result in dramatically improved surface finishes. Its use for architectural applications is increasing significantly.

APPLICATIONS
- Slabs
- Structural toppings
- Domestic floors
- Commercial slabs including deck construction
- Low traffic industrial floor slabs

BENEFITS
- Flows efficiently into place from single point
- Speed of placement
- Helps attain superior quality finish

TESTING
Slump Flow – 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. This is usually the primary acceptance test method used on the jobsite requiring a slump flow value between 650 – 750 mm.

PUMPING
Pumping places the concrete as close as possible to its final position and provides an easily controlled rate of placement. When placing BREEDONFlow® Finish with a concrete pump the hose of the pump should be placed inside the formwork and under the concrete surface whenever possible. This installation method reduces the possibility of entrapping additional air within BREEDONFlow® Finish.

FLOOR SLAB PREPARATION
The building envelope should be sealed before preparation commences i.e.; wind and watertight. Prior to laying down insulation all debris & high spots must be removed. If they are not removed they can imprint on the thickness of the finished concrete. In cases where the substrate is particularly uneven, a slurry grout may be required.

Continues overleaf
Damp Proof Membrane - Lay a polythene membrane on substrate with an approximately 100mm upstand at the edges, ensuring it is free from punctures, creases and lies flat on the base. Ensure all joints in the membrane overlap by a minimum of 100mm and are sealed with tape.

Final Check – Any dust or debris must be removed from all floors either swept or vacuumed as dust may affect final finished floors. Upon completion of installation, inspect the whole system for tears / holes / damage etc and make sure that the whole system remains watertight to receive BREEDONFlow® Finish.

FINISHING
When the material has been placed to the desired, it should be dappled immediately to obtain the best surface finish. Generate a wave-like ripple across the surface. The dapping should occur in two directions:

1st pass: Create wave motion, immerse bar to approx two-thirds bar depth

2nd pass: At 90° to 1st pass, lighter motion, immerse bar to approx one-third bar depth

CURING REQUIREMENTS
While curing is obviously critical for all concrete construction, this is especially true for the top surface of BREEDONFlow® Finish. Because of the increased quantity of paste, and lack of bleed water at the surface, BREEDONFlow® Finish is susceptible to surface drying. It is essential to ensure complete coverage of the surface as per curing agent manufacturer’s guidelines.

FOLLOWING PLACING
Light foot traffic after 24 hours. The surface can be worked on after a period of 72 hours from placing. Floor finishes should ideally be applied within a 60-day period after placing. The slab should be protected from excessive winds or drying for 48 hours after placing. Saw cut joints should be detailed at 40 times the depth of the slab (in mm) e.g. A slab that is 75mm deep = 40 x 75 = 3,000mm, therefore joints must be at 3m x 3m.