

BIKER GROUP

CONCRETE

BikerFlow - Technical Data Sheet

BIKERFLOW IS A HIGH PERFORMANCE, SELF COMPACTING CONCRETE PRODUCT

BikerFlow is the ultimate free flowing, extremely fluid self-compacting concrete that can be placed effortlessly and is easy to finish. **BikerFlow** produces a highly aesthetic finish, whilst also significantly reducing the manpower and equipment requirements.

APPLICATIONS:

- Slabs
- Domestic Floors
- Commercial Slabs
- Structural Toppings
- Horizontal and Vertical Structures
- Can be pumped for ease of placement
- Suitable for use with ALL fibre types - Micro, Macro and Steel



KEY BENEFITS:

- Rapid placement
- Superior quality finish
- No compaction or vibration required
- Reduced labour & equipment and subsequent cost savings

SPECIFICATION:

- Open Life: 2 hours
- Minimum Thickness: 75mm
- Slumpflow: 650-750mm
- Compressive Strength @ 28 days: >35N/mm²

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PREPARATION:

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 area sealed with tape. An expansion foam strip is also required to be fixed around vertical features such as columns and pipe ducts.



TESTING:

Slump Flow Test - This test method involves filling an inverted slump cone full of **BikerFlow** 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.

PLACEMENT:

BikerFlow is designed to flow into all parts of the slab, reducing the amount of manpower needed to lay the product.

BikerFlow has the ability to compact under its own weight and movement and therefore requires no vibration.

Once **BikerFlow** is placed to the desired depth, it should be dapped in order to obtain the optimum surface finish.

DAPPLING:

BikerFlow should be dapped immediately after placement in order to obtain the best surface finish, this is achieved by generating 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:



While curing is critical for all concrete, this is especially true for the top surface of **BikerFlow**.

Due to the increased cement content, and lack of bleed water at the surface, **BikerFlow** is susceptible to rapid surface drying. Therefore, a curing agent is sprayed evenly across the whole surface to create a wax seal on the surface.

Please Note: Curing agent coverage is as per manufacturers guidelines.