

BatChing and Mixing Guide for BarChip Macro Synthetic Fibre



Mixing High Performance BarChip Macro Synthetic Fibres:

BarChip's UV Stabilised structural reinforcing fibres feature the latest design and manufacturing techniques. BarChip fibre has been engineered to offer superior technical performance while providing excellent concrete workability.

Option 1 - For 2.5 kg, 3 kg and 5 kg Bags

1. Ensure truck mixing barrel is clean, free of wash out water and in good serviceable condition.
2. Determine the number of BarChip bags per batch.
3. Using an approved platform add BarChip mulchable bags, "Bag and All", to the empty truck mixer.
4. Mix for 1 minute with initial mixing water before adding dry materials.
5. Add dry materials and mix at high speed for a minimum of 5 minutes.
6. Check slump, remix at point of delivery before discharge.

Option 3 - For BarChip Pucks

1. Add fibre pucks, sand and aggregates to the truck mixer using the conveyer belt.
2. Add cement and water.
3. Mix at full speed for 5 minutes.
4. during transport use low rotation speed on truck mixer.
5. Mix for 5 minutes at high speed on site.

Option 2 - For On-Site mixing of 2.5 kg, 3 kg and 5 kg bags

1. Determine the number of BarChip bags per batch.
2. Ensure slump is minimum 120 mm before adding fibres.
3. Ensure barrel speed is set at maximum revolutions.
4. Using an approved platform add BarChip mulchable bags "Bag and All" to truck mixing barrel at 10 kg/min.
5. After loading, mix at high speed for 1 minute per m³ of concrete mix.
6. Check slump, remix at point of delivery before discharge.

Helpful Hints

BarChip fibres will not ball when mixed correctly and are designed to be added 'Bag and All' to the truck mixer before and with initial batch water.

Correct batching and mixing sequence is important to the quality and control of each batch of BarChip concrete. The correct amount of initial water, mixing and the timely addition of fibre is important to achieving best results.

Concrete final slump can be effected depending on fibre dose rate, regular dose rates of 3kg/m³ to 6kg/m³ may reduce slump up to 20 mm.

After allowing enough mixing time to obtain a homogenous mix check and adjust slump if necessary.



BarChip fibre is packaged in 2.5 kg, 3 kg and 5 kg mulchable paper bags.

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