



Suggested Mixing Procedure for Durus S300.

When adding this fibre into a concrete mix, careful attention must be taken with the batching and mixing procedure.

The suggested procedures below are based upon our own testing. However experience suggests that different concrete plants, trucks and materials may give varying results and we therefore advise that individual plant trials are carried out prior to supplying a contract.

For Wet Batch Plants; the fibre should be added to the concrete plant mixer with the other concrete ingredients. On previous contracts this has done by adding the Durus S300 fibre pucks directly into the plant mixer or onto the aggregate conveyor belt.

If the Durus S300 cannot be added to the plant mixer then the Dry Batch Plant mixing procedure is suggested.

For Dry Batch Plants; we have found that loading the truck mixer with all ingredients **excluding the fibres** should initially take place aiming for a target slump 70mm. The truck should then mix the ingredients until the concrete mix is in a consistent, uniform state; ideally minimum mixing of 5 minutes. Then the Durus S300 fibres should be added to the truck mixer and additional water added to bring up the workability to the suggested 125mm slump. The barrel should be mixed at full speed for a minimum of 5 minutes. (Minimum 70 drum revolutions).

Mixing Durus & ADFIL Micro Fibres.

If the concrete mix design specifically requires both Durus S300 and one of our micro monofilament fibres then it is important that the two different fibre types are added to the concrete separately. The micro monofilament fibres should be added at the beginning of the batching procedure and the Durus S300 added into the truck after all the concrete is added into the truck. Again, we advise that individual plant trials are carried out prior to supplying a contract.

Durus S300 Packaging.

The Durus S300 bags are made of pulpable paper and can be added to the concrete plant mixer or truck. The wrap around the fibres is made of a cold water soluble plastic and with the correct mixing will breakdown during the mixing process in the concrete.

Please note that we would suggest that the concrete mix should have a minimum sand content of 45 %.