



Sontyam



Innovative Concrete
Products for Buildings

ICON RMC
CONCRETE AT ITS BEST
FREE FLOW
SELF COMPACTING CONCRETE

Autonagar



kapuluppada



Product Summary - ICON Freeflow



Value Proposition with Objective Facts:

No need for manual placement & compaction. About 10% reduction in placing costs due to labour reduction. Assurance of better surface finish and compaction. Lesser blemish repairs. Reduction in project duration due to speed. Solution to noise level norms and labour shortage.

Target Technical Parameters:

Slump Flow 550 to 750 mm (SF1/SF2/SF3) with segregation resistance SR1/SR2 compliant. Tested and certified as per European guidelines. Use VMA or any other mix method that ensures mix robustness.

Other Product Benchmarks:

Deliveries should be internally certified. Part SCC, Flowable concrete which is not self-consolidating would be in Freeflow category, not Plus.

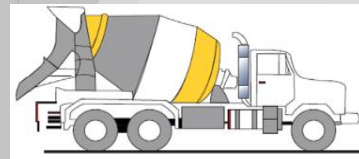
Freeflow
Plus
(Projects)





Self Compacting Concrete designed to flow freely

ICON RMC
CONCRETE AT ITS BEST
FREE FLOW
SELF COMPACTING CONCRETE



Self Compacting Concrete designed to flow freely

Characteristic	Preferred test method(s)
Flowability	Slump-flow test
Viscosity (assessed by rate of flow)	T ₅₀₀ Slump-flow test or V-funnel test
Passing ability	L-box test
Segregation	Segregation resistance (sieve) test

Flowability	Slump-flow SF	3 classes
Viscosity, (measure of the speed of flow)	Viscosity VS or VF	2 classes
Passing ability, (flow without blocking)	Passing ability PA	2 classes
Segregation resistance	Segregation resistance SR	2 classes

SLUMPFLOW CATEGORY:

- SF1- (550-650mm) Generally for Housing Slab
- SF2- (660-750mm) Generally for Walls & Columns
- SF3- (760-850mm) Vertical Application with Congested Reinforcement.

Passing Ability Category:

- PA1 with a gap of 80mm to 100mm (For housing, vertical structure)
- PA2 with a gap of 60mm to 80mm (For civil Engineering structure)





THANK YOU