



Fosroc

Auramix R & Structuro W 865 Series

AURAMIX R / STRUCTURO W 865 SRV

A superior high performance concrete hyper plasticiser based on polycarboxylate technology for longer workability retention.

Concrete workability is effected by:

- > Unbalanced concrete mix design
- > Claybearing concrete
- > Poor aggregates
- > Hot weather
- > Transportation congestion

Auramix R 400 and Structuro W 865 SRV series are a high performance hyperplasticiser intended for applications where longer workability retention is required, and it has been developed

- > Long distance pourings with hydration control
- > High rise pumped concrete
- > High strength/grade e.g.(M60/M70/M80 & above)
- > Self compacting concrete along with Auramix V200
- > Concrete requiring long workability retention(e.g. more than 2 to 4 hours)
- > High performance mass concrete

Key Benefits:

- > Increased compressive strength
- > Enhanced workability without affecting the durability
- > Improved adhesion to reinforcing and stressing steel
- > Improved resistance to carbonation
- > Lower permeability
- > Increased resistance to aggressive atmospheric conditions
- > Reduced shrinkage and creep
- > Increased durability

CONCRETE MIXING DESIGN

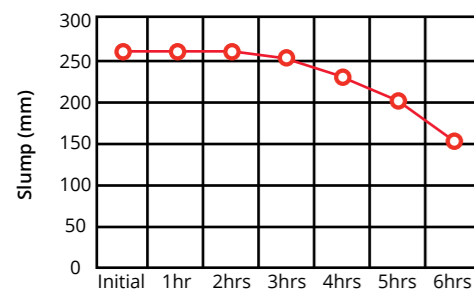
Batch Weight (kg/M³)

W/C (%)	Water	OPC	GGBS	20mm	10mm	0-5mm crushed sand	Dune Sand
36	144	180	220	723	240	578	385

TEST RESULTS

Slum (mm)						
Initial	1hr	2hr	3hr	4hr	5hr	6hr
260	260	260	250	230	200	150

Compressive Strength (N/mm ²)			
2 Days	3 Days	7 Days	28 Days
32.8	42.2	59.7	79.5



Auramix R series shows outstanding performance to keep the workable concrete for 6hrs without any delaying IST and FST.

- IST: Initial Setting Time
- FST: Final Setting Time



FOSROC PRODUCTS & SOLUTIONS

FOSROC ADMIXTURE PRODUCTS:

Auramix series

Superplasticizers with extended workability and ultra high performance concrete for RMC.

Auracast Series

Superplasticizers with excellent water reducing & compressive strength for Precast concrete industry.

Structuro Series

Superplasticizers with extended workability & ultra high performance concrete.

Conplast P & SP Series

Superplasticizers / Plasticizers with high performance concrete.

Conplast A, NC & Resivit

Accelerating admixtures for Precast.

Conplast AE Series

Air entraining admixtures.

Conplast F Series

Foaming agent.

Conplast Controller

Shrinkage reducing admixtures.

Conplast WP Series

Concrete integral waterproofing admixtures.

Auramix SP & V series

High performance viscosity modifying agent.

Conplast UW

Underwater concrete admixtures system.

Conplast CN & CNI

Calcium nitrite corrosion inhibiting admixtures.

Sprayset Series

High performance shotcrete accelerators.

Concure Series

Concrete curing compound.

Preco Series

Surface retarders.

Reebol & Auramol

Mould release agent.

FOSROC SOLUTIONS:



Admixtures

Liquid or powder products, which modify and improve the properties of fresh and hardened concrete or mortar.



Surface Treatments

Concrete curing membrane and other products to enhance the concrete surface.



Concrete Repair & Protection

Primers, cement and resin based materials to reinstate defective concrete.



Grinding Aids

Specially formulated to offer increased grinding efficiency for cement.



Waterproofing

Liquid applied & preformed membranes for waterproofing of structures from basement to roof.



Grouts & Anchors

Cement and epoxy resin grouts for construction applications including grouting baseplates, machine bases, rails and all sort of voids in new construction and repair work.



Flooring

Coatings, toppings and screeds to provide improved performance to new and existing concrete floors.



Jointing Materials

Flexible infill materials used for joints in pavements, cladding and other components.

Fosroc offers a full range of construction chemical solutions, helping to protect structures throughout the world. Please refer to our brochures, which include:



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constructive solutions