



Fosroc

Auramix R & Structuro W 865 Series

[www.fosroc.com](http://www.fosroc.com)



*constructive solutions*

# 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

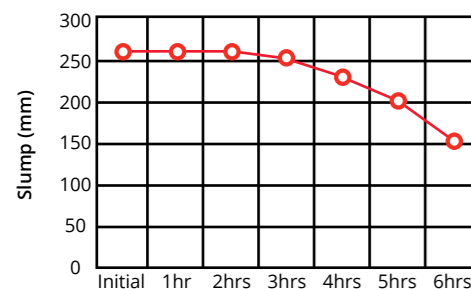
Batch Weight (kg/M<sup>3</sup>)

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 <sup>2</sup> )			
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

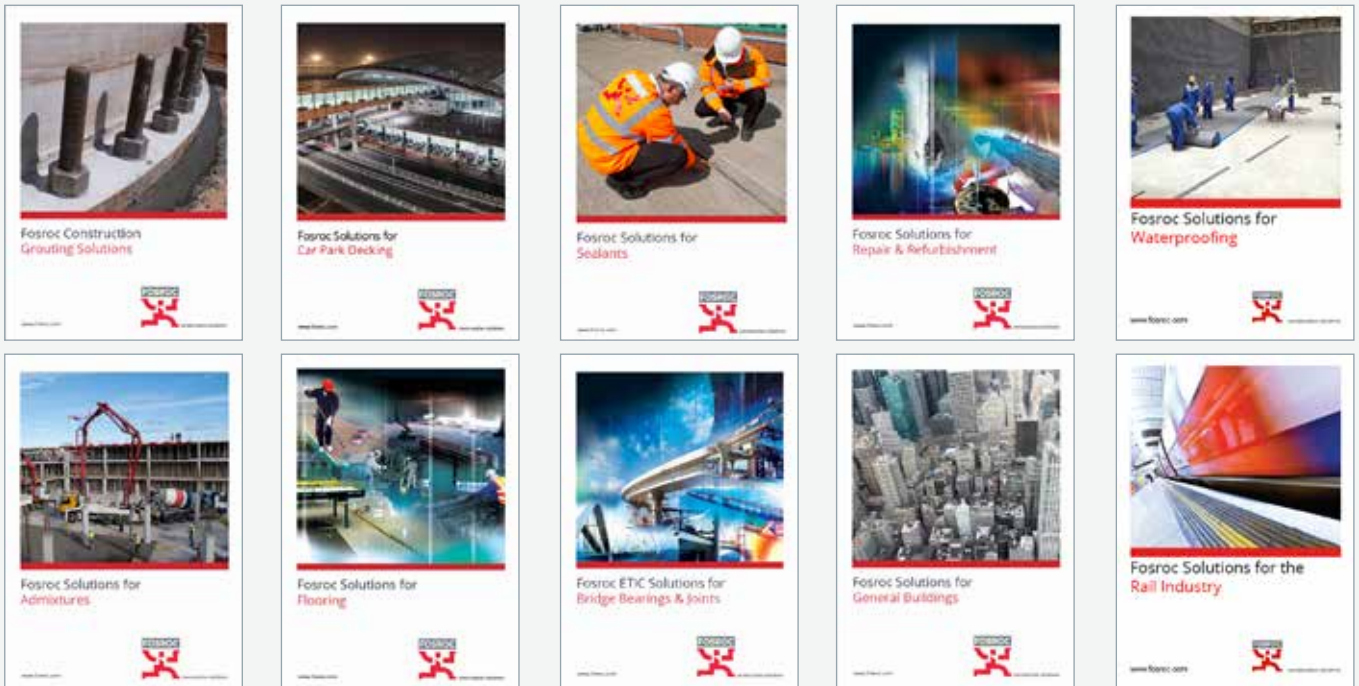
Coatings, toppings and screeds to provide improved performance to new and existing concrete floors.



### 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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