



Conplast® SP430SRV

Superplasticising slump retaining admixture

Uses

Conplast SP430SRV is used where a high degree of workability is required and also as an aid to workability retention where delays in transportation or placing are likely or when high ambient temperatures cause rapid slump loss. To facilitate production of high quality concrete of improved durability and water tightness.

Advantages

- **Speeds Construction** : Increased workability reduces placing time, equipment and labour element.
- **Self Compacting** : Conplast SP430SRV modified concrete is highly fluid and needs little or no compaction.
- **Reduced Permeability**: Better dispersion, reduces porosity and improves water penetration resistance.
- **Reduced Segregation**: Increased cohesion minimises segregation and bleeding, improving surface finish.
- **Longer Placing Time**: Conplast SP430SRV gives greater usable life of concrete at high ambient temperatures because of its unique workability retention potential.
- **Improved Pumpability**: Increased workability and cohesion aids pumping by reducing line friction, dry packing and slump loss due to temperature.
- **Chloride Free**: Safe in prestressed, reinforced or marine concrete and compatible with sulphate resisting cement or marine aggregate.

Standards Compliance

Conplast SP430SRV complies with the requirement of ASTM C 494-80 as a Type G Retarding, HighRange Water Reducing Admixture.

Description

Conplast SP430SRV is a dark brown liquid based on a blend of specially selected organic polymers. The plasticising action of Conplast SP430 SRV enables the production of high workability concrete, which maintains the workability for prolonged periods even at high ambient temperatures.

Technical Support

The company provides a technical advisory service supported by a team of specialists in the field.

Properties

Specific Gravity: 1.260 at 30°C

Chloride content: Nil to IS:456

Setting Time: Conplast SP430SRV when used at the recommended dosage level may retard the setting of concrete.

Air entrainment: Less than 1.5%

Compatibility: Conplast SP430SRV is generally compatible with other Fosroc Admixtures but it is recommended that all admixtures be added to concrete separately.

Conplast SP430SRV can be used with all types of Portland cements. For advise on special cements consult local Fosroc office.

Compressive Strength: Conplast SP430SRV is primarily a highly efficient superplasticiser giving large increase in workability without significant changes in compressive strength.

Conplast SP430SRV may be used to produce substantial water reduction resulting in a considerable increase in compressive strength.

Mix Design: As with all admixtures that produce flowing concrete, the design technique should be based on high cohesion pump mix technology. Specialist advise from Fosroc is available on request.

Application instructions

Dosage: It is recommended that the optimum dosage is determined by site trials with the actual concrete mix. As a guide the rate of addition is generally in the range 0.35 to 0.90 litres/100 kg cement for normal mixes & 0.5 to 1 litre/100 kg for high cement content mixes. The higher dosage is used where "flowing concrete" is required and may be found necessary to modify concrete mix proportions. Fosroc can advise on mix design if required.

Curing: Normal curing methods such as water spray, wet hessian or a Concure curing membrane should be used.

Cleaning: Spillages of Conplast SP430SRV can be removed with water.

Conplast® SP430SRV

Estimating

Packaging

Conplast SP430SRV in 200 litres drum.

Storage

Shelf life

Conplast SP430SRV has a minimum shelf life of 12 months when stored in unopened containers below 35°C.

Precautions

Health & Safety

Conplast SP430 SRV is non toxic. Any splashes should be washed off with water. If contact with eyes occurs, wash immediately with water and seek medical advice.

Fire

Conplast SP430SRV is non flammable.

Additional information

Technical data and guidance can be provided on wide range of admixtures and concreting aids, including plasticisers, superplasticisers, retarding admixture and accelerators, etc.

Separate datasheets are available on request.

® Denotes the trademark of Fosroc International Limited

Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

telephone	fax	e-mail
++91 80-22240018/120	++91 80-22233474	india@fosroc.com

Regional Offices



Fosroc Chemicals (India) Pvt. Ltd.

Head Office

111/3, Hafeeza Chamber II Floor,
K H Road, PBN0. 2744, Bangalore 560027
www.fosroc.com

Bangalore

Shankar House, IV Floor
1 & 18, RMV Extension
Bangalore 560 080
Ph:080-2361 3161/2361 2004
Fax : 080-2361 7454
email: Bangalore@fosroc.com

Mumbai

208/209, Persepolis
Sector 17, Vashi
Navi Mumbai 400 703
Ph:022-2789 6412/14
Fax: 022 - 2789 6413
email:Mumbai@fosroc.com

Delhi

First floor, 1/2 East Patel Nagar
Opp: Vivek Cinema, Main Patel Rd
New Delhi 110 008
Ph:011-25884903/4
Fax: 011- 25884422
email:Delhi@fosroc.com

Kolkata

P-569, Lake Terrace Extn.
First Floor
Kolkata 700 029
Ph: 033 24650917 / 55343188
Fax: 033-24650891
email:Kolkata@fosroc.com

- Ahmedabad : (079) 26762799 ● Ankleshwar : (02646) 220704/224687 ● Bhubaneshwar : (0674) 2546415 ● Chennai (044) 24899949/24853383
- Chandigarh : (0172) 2639360 ● Cochin : (0484) 2356668 ● Coimbatore : (0422) 2472966 ● Goa : (0832) 2542465 ● Guwahati (0361) 2548793
- Hyderabad : (040) 27662324/27662425 ● Hubli (0836) 09343402597 ● Indore : (0731) 504339/5061477 ● Jaipur : (0141) 2235349
- Jamshedpur : (0657) 2223848 ● Lucknow : (0522) 2239044 ● Nagercoil 09842134873 ● Visakhapatnam : (0891) 2564850 / 2707607

INDIA/2005/117/D

