



# MegaFlow SP4

High Range Water Reducing and Set Retarding  
Concrete Admixture

**DESCRIPTION** **MegaFlow SP4** is a high range water reducing admixture specifically designed for producing high slump, flowing concrete in hot climates. It is based on selected sulphonated naphthalene polymers and is a powerful de-flocculent.

**STANDARD** ASTM C494, Type B, D and G, BSEN 934-2.

**USES** **MegaFlow SP4** can be used for various concrete applications. Recommended for large concrete pours and where higher slump retention is needed. A significant water reducing agent and promotes strength gain at all ages of concrete.

**ADVANTAGES**

- High slump concrete for congested areas
- Good workability retention
- Increases durability by reducing permeability
- No excessive air entrainment
- Chloride free and safe for use in pre-stressed and reinforced concrete.

## TYPICAL PROPERTIES at 25°C

| PROPERTY         | TEST METHOD | VALUE                     |
|------------------|-------------|---------------------------|
| Component        | -           | Single                    |
| Form             | -           | Liquid                    |
| Colour           | -           | Brown                     |
| Specific Gravity | ASTM C494   | 1.20 +/- 0.02             |
| Air Entrainment  | ASTM C231   | Up to 1% over control mix |
| Chloride Content | BSEN 480-10 | Nil to BSEN 934-2         |
| pH               | ASTM C494   | 7-9                       |

**COMPATIBILITY** **MegaFlow SP4** can be used with all types of cements and cementitious material like fly ash, GGBS, micro silica, etc. **MegaFlow SP4** should not be premixed with other admixtures.

**DOSAGE** Recommended dosage is 0.5 - 3.0% by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials.

**EFFECT OF OVERDOSING** Overdosing may result in higher workability and delay in setting. If intentionally or accidentally, dosage used is above the recommended limit, ensure that the stripping time of formwork is extended accordingly. In such cases, provided the concrete is properly cured, the ultimate strength will generally be higher than the regular concrete. The effects of overdosing are increased when sulphate resistant cement is used in the concrete mixes because of the chemical nature of the cement as compared to that of OPC.



## MegaFlow SP4

|                            |                                                                                                                            |                                                                                                                                                               |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PACK SIZE</b>           | 20 ltr, 200 ltr, 1000 ltr and bulk                                                                                         |                                                                                                                                                               |
| <b>DISPENSING</b>          | <b>MegaFlow SP4</b> should be dispensed into the concrete mixer together with the mixing water.                            |                                                                                                                                                               |
| <b>GENERAL INFORMATION</b> | <b>Shelf Life</b>                                                                                                          | 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life. |
|                            | <b>Cleaning</b>                                                                                                            | Clean all equipment and tools with water immediately after use.                                                                                               |
| <b>HEALTH and SAFETY</b>   | <b>PPE's</b>                                                                                                               | Gloves, goggles and suitable mask must be worn.                                                                                                               |
|                            | <b>Precautions</b>                                                                                                         | Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.                                                                |
|                            | <b>Hazard</b>                                                                                                              | Regarded as non-hazardous for transportation.                                                                                                                 |
|                            | <b>Disposal</b>                                                                                                            | Do not reuse containers. To be disposed off as per local rules and regulations.                                                                               |
|                            | <b>Additional Information</b>                                                                                              | Refer MSDS. (Available on request)                                                                                                                            |
| <b>TECHNICAL SERVICE</b>   | <b>CONMIX Technical Services</b> are available on request for onsite support to assist in the correct use of its products. |                                                                                                                                                               |



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