



# MegaFlow P401

Water Reducing and Set Retarding  
Plasticising Admixture

**DESCRIPTION** **MegaFlow P401** is liquid, plasticising, water reducing and retarding concrete admixture based on a high grade modified lignosulphonic acid derivative. **MegaFlow P401** is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product.

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

**USES** **MegaFlow P401** is used to produce easily workable and dense concrete for all types of ready-mixed concrete, tunnels, runways, canals, reservoirs and marine structures, etc. It can also be used as waterproofer to reduce permeability of concrete.

**ADVANTAGES**

- Good slump retention even at higher temperatures
- Good workability improvement to most of concrete mixes
- Increases strength due to water reduction
- Effective in achieving cement reduction
- Durable concrete may be achieved
- Extended setting time at high temperatures

## TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	Dark Brown
Specific Gravity	ASTM C494	1.18 +/- 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 P401** can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica, etc. **MegaFlow P401** should not be pre mixed with other admixtures.

**DOSAGE** Recommended dosage is 0.5 - 1.5% by weight of cementitious material. Higher dosage can be used after verification by conducting lab and site trials. Consult Conmix for optimum dosage and effect on properties such as strength, setting time, etc.

**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 P401

<b>PACK SIZE</b>	20 ltr, 200 ltr, 1000 ltr and bulk	
<b>DISPENSING</b>	<b>MegaFlow P401</b> should be directly 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.	



Construction Solutions for Africa

### CAPE TOWN

Tel: +27 (0)87 231 0253  
Unit 5 | M5 Freeway Park  
Upper Camp Rd | Maitland | 7405  
Cape Town | South Africa

### JOHANNESBURG

Tel: +27 (0)82 785 8529  
64 Maple Street | Pomona  
Kempton Park | Johannesburg | 1619  
South Africa

Email: [info@msasa.co.za](mailto:info@msasa.co.za) | [www.msasa.co.za](http://www.msasa.co.za)

Manufacturer:

### CONMIX LTD.

P.O. Box 5936, Sharjah  
United Arab Emirates  
Tel: +971 6 5314155  
Fax: +971 6 5314332  
Email: [conmix@conmix.com](mailto:conmix@conmix.com)

Sales Office:  
Tel: +971 6 5682422  
Fax: +971 6 5681442  
[www.conmix.com](http://www.conmix.com)



It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, Conmix does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to Conmix standard terms and conditions of sale.