



MegaFlow P4

Water Reducing and Set Retarding
Plasticising Admixture

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| DESCRIPTION | <p>MegaFlow P4 is liquid, plasticising, water reducing and retarding concrete admixture based on a high grade modified lignosulphonic acid derivative.</p> <p>MegaFlow P4 is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product.</p> |
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| STANDARDS | ASTM C494, Type B and D, BSEN 934-2 |
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| USES | <p>MegaFlow P4 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.</p> |
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| ADVANTAGES | <ul style="list-style-type: none"> • Good slump retention even at higher temperatures • Good workability improvement to most of concrete mixes • 10-15% water reducing effect can be obtained • Increases strength due to water reduction • Pumpable concrete • Effective in achieving cement reduction • Durable concrete may be achieved • Extended setting time at high temperatures • Reduced shrinkage and creep |
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TYPICAL PROPERTIES at 25°C

| PROPERTY | TEST METHOD | VALUE |
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| Component | - | Single |
| Form | - | Liquid |
| Colour | - | Dark Brown |
| Specific Gravity | ASTM C494 | 1.16 +/- 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 |

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| COMPATIBILITY | <p>MegaFlow P4 can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica, etc. MegaFlow P4 should not be premixed with other admixtures.</p> |
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| DOSAGE | <p>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.</p> |
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| EFFECT OF OVERDOSING | <p>Overdosing may result in higher workability and delay in setting. If intentionally</p> |
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or accidentally, dosage used is above the recommended dosages, care must be taken to allow for the effect on the stripping time of formwork. 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.

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| PACK SIZE | 20 ltr, 200 ltr, 1000 ltr and Bulk | |
| DISPENSING | MegaFlow P4 should be directly dispensed into the concrete mixer together with the mixing water. | |
| GENERAL INFORMATION | Shelf Life | 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life. |
| | Cleaning | Clean all equipments and tools with water immediately after use. |
| HEALTH and SAFETY | PPE's | Gloves, goggles and suitable mask must be worn. |
| | Precautions | Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. |
| | Hazard | Regarded as non-hazardous for transportation. |
| | Disposal | Do not reuse containers. To be disposed off as per local rules and regulations. |
| | Additional Information | Refer MSDS. (Available on request.) |
| TECHNICAL SERVICE | CONMIX Technical Services are available on request for onsite support to assist in the correct use of its products. | |

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