

Lyksor ® MS 40

High-Range Water Reducing / Superplasticizing / Set Accelerating
Raw material for Concrete Admixtures

Product Definition

Lyksor ® MS 40 is a Melamine Sulfonate based raw material designed for high water reducing and early strength enhancement in concrete admixture formulations as raw material.

Use

The MS 40 is used in the following conditions and applications.

- Used in Glass Reinforced Concrete(GRC) application.
- In the production of prestressed concrete with low water / cement ratio,
- In precast and prefabricated concrete production,
- Where early demolding is desired
- Reoplastic concretes which can easily be placed on dense reinforced concrete elements.
- It is suitable for use in concrete structural elements produced with zero slump.



Advantages and Properties

- The early and final strength of the admixture formulated with MS 40 is increased compared to unleaded concrete.
- Increases compressive and flexural strength of MS 40-formulated additive compared to concrete without admixture

- Early high-strength concrete production is achieved even at low temperatures.
- Shorten the mold removal time.
- Increases the abrasion resistance of concrete by reducing segregation and bleeding.
- Increases durability of concrete against freeze-thaw cycle.
- Improves concrete's mechanical properties such as impermeability, durability, shrinkage and creep.
- Saves energy in heat curing of concrete. Concrete could be placed with less vibration even in dense reinforced concrete structures.
- Lyksor ® MS 40 is generally compatible in use chemical admixture recipes with Naphthalene Sulfonate, Lignin Sulfonate and molasses based raw materials.

Technical Properties

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| Colour and form | Colourless Clear Liquid |
| Chemical base | Melamine Formaldehyde resin |
| Density (kg/ltr) | 1.200 – 1.240 (at +20 °C) |
| pH | 7.0 – 11.0 |
| Solid Content % | 40.0 ± 2.0 |