

# 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

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