

Lyksor ® VCCon 300

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

Product Definition

Lyksor ® VCCon 300 is vinyl acetate maleic anhydride copolymer designed for high water reducing and early strength enhancement in concrete admixture formulations as raw material.

Advantages and Properties

- Enables high workability at low water / cement ratio.
- Increases early strength of the concrete as concrete reduces mixing water at high rate.
- Provides ease in the placement and pumping.
- Provides high workability and compaction of concrete, shortens vibration time.



Use

Lyksor ® VCCon 300 used in the conditions and applications below.

- Provides high performance with high Methylene Blue aggregates.
- Precast concrete production.
- Used in concrete admixtures formulations where high water reducing and early strength are desired.
- Suitable for use in pump and non-pump ready-mixed concrete production.

Application Details

Lyksor ® VCCon 300 used in the conditions and applications below.

- Lyksor ® VCCon 300 is generally compatible in use chemical admixture recipes with Naphthalene Sulfonate, Melamine Sulfonate, Lignin Sulfonate and Polycarboxylate based raw materials. The appropriate dosage according to concrete class and properties should be determined to trial batches.

Technical Properties

Colour and form	Brown – Greenish Liquid
Chemical base	Vinyl acetate maleic anhydride copolymer
Density (kg/ltr)	1.14 – 1.18 (at +20 °C)
pH	4.0 – 8.0
Solid Content %	30.0 ± 2.0

Test Results

Concrete Mix Design					
CemI 42,5R kg	W/C %	Fine Agg. %	Coarse Agg. %	Admixture % of Cem	Air Content %
350	35%	53%	47%	1.0%	1.8%

Test Results					
Slump/Flow (mm)			Compressive Strength (Mpa)		
Initial	30 min.	60 min.	1 day	7 days	28 days
650	600	570	24.6	49.3	56.1

