



PLASTICON NS 727

PRODUCT CODE : 126

DESCRIPTION

PLASTICON NS 727 is based on processed lignosulphonate and is supplied as brown liquid. Generally cement particles tend to clump together and **PLASTICON NS 727** works by improving the dispersions of the agglomerates within the concrete mix which ensures that the cement is used more efficiently. Improves cohesion, reduces the risk of segregation and bleeding and reduces permeability. Increase in density will increase the durability and resistance to attack by aggressive agents corresponding to control mixes. **PLASTICON NS 727** is a low cost water reducer which can be used to get one or combination of benefits.

PRODUCT

Water reducing, normal plasticiser conforming to BS 5075 : 1982 Part 1, IS 9103-1999 and ASTM C 494 type A.

BENEFITS

Increase workability

Liquid nature of admixture, ensures homogenous mixing.

Allows concrete placing in highly reinforced (congested) areas.

Cement saving can be obtained without compromising in workability & strength.

Increase in strength of concrete by reducing w/c ratio.

Fills microscopic pores and thus enhance bonding of concrete & avoid shrinkage and cracking in concrete.

Increase plasticity of concrete, thus it flows easily without increase in water & better compaction is achieved.

Reduces risk of segregation & bleeding

By adding in concrete does not form rust as it is chloride free.

Water Reducer : (For increased strength) Reduction in the water cement ratio to maintain designed workability increases strength. The concrete is also denser with lower permeability.

Workability Aid : Increased workability can be achieved by using **PLASTICON NS 727** for a given w/c ratio which will increase the flow characteristic of the concrete leading to easy placement, compaction and finishing.

Reduction Of Cement In Concrete : **PLASTICON NS 727** can be used to reduce cement content to the extent of 8-10% by maintaining the specified strength and workability and reducing the amount of water required for the given mix.

USES

Can be used in construction of beam, column, slab, Floor laying, Mass concreting

DIRECTION FOR USE

Dosage : Add most of the mixing water to the concrete mix **PLASTICON NS 727** with the balance of mixing water & add to the concrete. The optimum dosage rate should be determined by site trials. The dosage rate is 150ml to 250ml per 50 kg cement. For large site jobs, dispensing equipment can be made used of. Dosage up to 300 ml / 50 kg has no deleterious effect.

TYPICAL PROPERTIES

Colour	DarkBrown
Chloride Content	Nil as per IS 456 & BS 5075 Part 1
pH	7.5 ± 0.5

Can be used with all types of OPC and high alumina cements.

TYPICAL TEST RESULTS

Grade of concrete	M20
Grade of cement	OPC 53 grade
Sand Zone	Zone IV
Cement content	280 kg/m ³ .

DOSAGE & PACKING

150ml to 250ml of **PLASTICON NS 727** per 50 kg cement.
PLASTICON NS 727 200 litre Barrel in available.

Manufactured in INDIA by

ROKSO INDIA PRIVATE LIMITED

AN ISO 9001 : 2015 CERTIFIED COMPANY

ADMN.OFFICE: 605,SAI JANAK CLASSIC,ABOVE MURLIDHAR SWEETS, NEAR FLYOVER BRIDGE, DEVIDAS LANE, BORIVALI (W) MUMBAI-92
REGD OFFICE : 202,MADHUVAN,SHRI KRISHNA COMPLEX,NR.SHRIRAM NAGAR,VIVA COLLEGE RD,VIRAR(WEST) DI :PALGHAR -401303 MS
E-MAIL : info@roksoindia.com / WEB SITE : www.roksoindia.com

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