

CAT. NO. ADM-18-015

ISOPLAS PC 315

High Performance Hyperplasticizer

ISOPLAS PC 315 is a new generation hyperplasticizer based on polycarboxylate technology. It is formulated to provide very high water reduction and slump retention while providing excellent flowability, and high early mechanical strengths. Super high strength and self-consolidating concrete can be attained depending on dosage and mix design.

ADVANTAGES

- Especially developed for high performance pumped, pre-cast and self-compacting concrete.
- Compatible with fly ash, microsilica and GGBFS.
- Super high mechanical strength.
- High early and 28 day strength.
- Very low water cement ratio achievable (less than 0.30) without sacrificing workability.
- Dense, watertight concrete
- Very good cohesion even at high slump (+ 200 mm)
- Flexible dose – normal, mid range and high water reduction
- Increased durability and resistance to carbonation

SPECIFICATION

ISOPLAS PC 315 is manufactured to conform with the requirements of ASTM C 494 types D and G.

DOSAGE

Depending on mix design requirement, **ISOPLAS PC 315** can be added at the rate of 0.5-1.6 liters per 100 kilograms cement. When designing mixes for use with **ISOPLAS PC 315**, it is recommended to make trial batches to determine optimum dosage. As a guide for designing mixes, ACI 211.1 or 211.2 procedures are recommended.

ADDITION

ISOPLAS PC 315 can be added at the plant or at the site. For central mix type operations, approximately 80% of the total amount of mixing water is added to the dry ingredients. Mix for 30 seconds then add **ISOPLAS PC 315** simultaneously with the remaining water. For 1 cubic meter batch, total mixing time from the time cement comes in contact with water should be not less than 100 seconds. (NOTE: It is recommended to add **ISOPLAS PC 315** first before any other admixture).

PACKING

ISOPLAS PC 315 is available in Bulk and 210 liter/1000 liter pack.

HEALTH/ SAFETY

As with any other chemicals, always use protective rubber gloves, eye and body protection when handling. Refer to MSDS for further details.

SHELF LIFE

Twelve months in original container stored in warehouse condition in original, unopened packing.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

ISOLA SOLUTIONS W.L.L

P.O. Box 530, Manama, Kingdom of Bahrain, Tel: 17784777, Fax:17911422, Email: isola@hajihassan.com, web: www.isolasolutions.com