

**PROVISIONAL DATA**


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# ISOPLAS PC 39

## Mid Range Water Reducing Superplasticizing Admixture

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**ISOPLAS PC 39** is a new generation superplasticizer based on polycarboxylate technology. It is formulated to provide medium to high water reduction while providing excellent flowability, slump retention and high mechanical strengths. Super high strength and self-consolidating concrete can be attained depending on dosage and mix design.

### ADVANTAGES

- Compatible with fly ash and microsilica.
- Very good slump retention and high mechanical strength.
- High early and 28 day strength.
- Very low water cement ratio achievable (less than 0.40) without sacrificing workability.
- Dense, watertight concrete
- Very good cohesion even at high slump (+ 200 mm)
- Flexible dose – normal, mid range and high water reduction.
- Suitable for readymix and precast concrete

### SPECIFICATION

**ISOPLAS PC 39** conforms with the requirements of ASTM C494 Types A and F. Also complies with EN 934-2.

### DOSAGE

Depending on mix design requirement, **ISOPLAS PC 39** can be added at the rate of 0.5-2 liters per 100 kilograms of cementitious materials. When designing mixes for use with **ISOPLAS PC 39**, 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 39** 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 39** 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: **ISOPLAS PC 39** is compatible with other ISOLA admixtures – **ISOPLAS BT**, **AEA**. Not to be combined with **ISOLA PSM** or **PSG**, for further details, consult ACI.

**PACKING**

ISOPLAS PC 39 is available in 210 liter and 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 ACI. 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 ACI's direct and continuous control, ACI disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential.

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