



# AT-PLAST

A HIGH RANGE WATER REDUCING AGENT



<b>EDITION</b>	<b>10/2012/001</b>
<b>IDENTIFICATION NO.</b>	<b>A-01</b>

**DESCRIPTION:** A high range water reducing compound and super-plasticiser for free flowing concrete and high strength.

**STANDARDS:** Complies to IS 9103, ASTM C 494 Type G, BS 5075 Part III.

**USES:** AT-PLAST is used in the following situations:

- In floor slabs and foundation, slender design with densely packed reinforcement, walls and columns, beams and ceilings, bridges and cantilever structures
- Precast concrete elements
- Pumping concrete and tunnel linings
- In areas of concrete where form work has to be removed quickly or early loading is to be applied
- In construction of dams, chimneys etc.

**ADVANTAGES:**

- Substantial improvement in workability without increased water
- No risk of segregation
- Up to 15% water reduction
- Good surface finish even in slender components with packed reinforcement
- Does not contain any added chloride, i.e. chloride free

**DOSAGE:** 0.5% to 2.0% by weight of Cement depending upon the workability and strength. AT-PLAST is compatible with all kinds of Portland cement.

**INSTRUCTIONS FOR USE:** AT-PLAST is normally added to the mixing water before its addition to the dry mix, but in most cases it is added to the freshly mixed concrete. For the Ready Mix Concrete (RMC), AT-PLAST is added to the concrete before its discharge and mixing is to be carried out for at least 3 minutes.

**PROPERTIES:**

<b>BASE</b>	Naphthalene Formaldehyde
<b>COLOUR</b>	Light Dark Brown
<b>SPECIFIC GRAVITY</b>	1.17 ± 0.02
<b>STORAGE CONDITIONS</b>	Free from frost and protect from sunlight
<b>SHELF LIFE</b>	1 year in original container and packing

**PRECAUTION FOR USE:** ADO Products are generally harmless, provided certain precautions are taken for handling chemicals. Avoid contact with foodstuff and food utensils. Avoid prolonged skin contact. Wear protective clothing, use gloves, use barrier cream etc. In the event of contamination, wash thoroughly with water. If eye or mouth is affected, wash with clean water immediately and obtain professional medical attention.

**DISCLAIMER:** Our products are manufactured under stringent Quality Control following National/International Quality Standard Specifications and are guaranteed against any manufacturing defect. However, we can accept no liability, as the conditions of use of such products are beyond our control. This data is provided in the belief that is accurate within generally accepted standards and is provided for the information of qualified personnel. It does not constitute an offer by the manufacturer. Nor does the manufacturer warrant or guarantee its accuracy or completeness in describing the performance or suitability of the various products. The users therefore should make their own determination in using the product of the data contained herein for any application.

## ADO ADDITIVES MFG PVT. LTD.