

# Conplast AWP\*

## Integral Liquid Waterproofing and Plasticizer

### Uses

Conplast AWP is a cost effective means of reducing concrete permeability and thereby reducing water penetration.

### Advantages

- Improved workability and plasticity.
- Minimizes cracking and plastic shrinkage.
- Minimizes bleeding and segregation.
- Allows the reduction of water: cement ratio hence improves compressive strength at same workability.
- Fully compatible with certain Fosroc surface coating finishes

### Description

Conplast AWP is an integral waterproofer and plasticizer system specially designed for the complete and permanent waterproofing of mass and reinforced concrete structures, ready-mixed and precast concrete, etc.

Conplast AWP is a concentrated formulation of selected reactive materials that impart impermeable properties to all concrete. Its strong wetting and cement dispersion action improves the workability and plasticity of mixes.

### Technical Support

Fosroc provides a technical advisory service for on-site assistance and advice on admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and other products for use with fresh and hardened concrete.

### Typical Dosage

Conplast AWP may be dispersed to the gauging water at the rate of 1 litre per 100 kg of Portland Cement. For severe conditions, a minimum of 1.5 litre dose is recommended.

The use of Conplast AWP allows the reduction of water cement ratio by about 10% without affecting workability (the specified slump is preserved). In doing so, a higher compressive strength can be achieved.

### Typical Performance Examples

The following data are compiled from our investigations and laboratory testing.

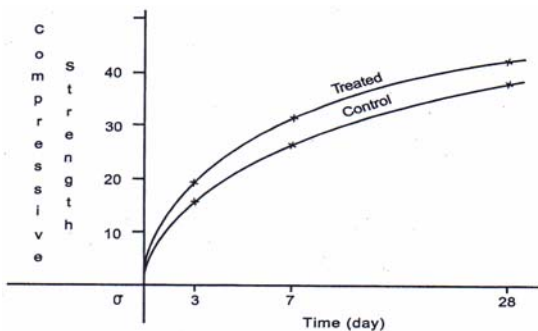
Mix Proportion	Control	Treated
Cement (OPC) :	1.00	1.00
Sand :	3.00	3.00
W/C ratio :	0.50	0.45
Conplast AWP :	Nil	1% of OPC

### Results

#### Compressive Strength (N/mm<sup>2</sup>)

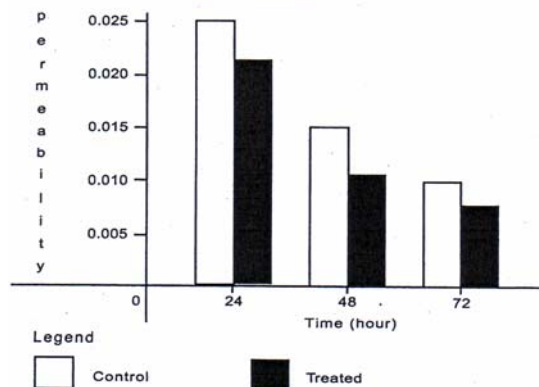
Age of concrete	Control	Treated
3 days	15.5	18.5
7 days	26.0	31.5
28 days	38.0	42.0

Figure 1 – Permeability and Compressive Strength



#### (B) PERMEABILITY (ML/M<sup>2</sup>/SEC)

	Control	Treated
24 hrs	0.025	0.023
48 hrs	0.015	0.011
72 hrs	0.0096	0.0055



# Conplast AWP\*

---

## Estimating – packaging

Conplast AWP is available in 5 litre and 20 litre plastic containers and 210 litre drum.

## Storage

Conplast AWP has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C. Should the temperature of the product fall outside this range then the Fosroc Technical Service Department should be contacted for advice.

## Precautions

### Health and safety

Conplast AWP does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water

and seek medical advice. If swallowed seek medical attention immediately - **do not** induce vomiting.

### Fire

Conplast AWP is water based and non-flammable.

### Cleaning and disposal

Spillage of Conplast AWP should be absorbed onto sand, earth or vermiculite and transferred to suitable containers.

Remnants should be hosed down with large quantities of water. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

### Additional information

Fosroc provides a wide range of waterproofing system which can be incorporated with Conplast AWP to provide a complete solution to basement tanking and water retaining / excluding structure.

\* Denotes the trademark of Fosroc International Limited

† See separate datasheet

#### Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it.



## Fosroc Singapore

---

30 Toh Guan Road  
#07-07, ODC District Centre  
Singapore 608840

**telephone:**  
++ 65 6665 3828

**fax:**  
++ 65 6899 1283

**email:**  
Fosroc\_Singapore@Fosroc.com

[www.fosroc.com](http://www.fosroc.com)