

# POLYCARBO ADMIXTURES

## Bond Polyeco P – 83

Water reducing and retarding admixture for concrete

### DESCRIPTION

**Bond Polyeco P83** is an advanced formulation consists of carboxylic ether polymer with long side chains linked to the polymer backbone; causing steric hindrance in addition to the traditional electrostatic repulsion. This enables admixture to disperse cement grains more effectively resulting in flowing concrete with reduced water content.

For addition information on dosage of Bond Polyeco P83, please contact Bond Chemicals (Pvt.) Ltd.

### RECOMMENDED USES

Bond Polyeco P83 improves the properties of concrete and is useful for:

- Transportation and placing facilitation
- Mass concrete pours
- Pumped concrete
- Site batching plant concrete
- Hot weather concreting

### FEATURES AND BENEFITS

Bond Polyeco P83 has the following features and benefits:

- Higher initial slump
- Enhanced slump retention
- Reduced W/C ratio
- Better compressive strengths
- Lower pumping pressures

### PERFORMANCE TEST DATA

Appearance	Colorless to Light Pink liquid
Specific Gravity	1.050 ± 0.02 at 25°C
pH	6 ± 1
Chloride ion content	< 0.2%

### STANDARD COMPLIANCE

- ASTM C-494 Type A., B and D
- BS 5075 Part 1

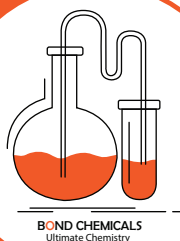
### DOSAGE

To determine the optimum dosage of Bond Polyeco P83, it is advised to conduct trials with different combinations of concrete ingredients.

As a guide, a dose of 0.8% to 2.0% by weight of cementitious material can be considered as a starting point.

**BOND CHEMICALS** (Pvt) Ltd. Ultimate Chemistry

Factory Address: Plot # B-154, Sector # 6-G, Mehran Town, Korangi, Karachi. Cell # 0300-8270334



### APPLICATION

Bond Polyeco P83 is a ready-to-use liquid which can be dispensed into the concrete together with the mixing water.

The plasticizing effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added.

Addition to dry aggregate or cement is not recommended.

### COMPATIBILITY

Bond Polyeco P83 is compatible with allcements, integral water proofers and air entraining agents complying ASTM standard requirements.

### PACKAGING

Bond Polyeco P83 is available in IBC (Intermediate Bulk Container) and drum having gross weight of 1,050 Kg and 210Kg respectively.

### STORAGE /SHELF LIFE

Bond Polyeco P83 must be stored above 5°C. Store under cover, out of direct sunlight and protect from temperature extremities.

Shelf life is 12 months from the manufacturing date, when stored as above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product and packaging.

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