



BondtufTM
CONSTRUCTION CHEMICALS



BOND TUF PC 1

High Performance Superplasticiser, based On Special Polymer Technology

BOND TUF CHEMICALS PVT. LTD.

AN ISO 9001 : 2015 COMPANY

www.bondtuf.com

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High Performance Superplasticiser, based On Special Polymer Technology

DESCRIPTION

Bondtuf PC 1 is a unique combination of the latest generation super plasticisers, based on special polymers with long lateral chains. At the start of the mixing process this special polymers develop an electrostatic repulsion which greatly improves separation and dispersion of cement particles . This mechanism considerably reduces the water demand in flowable concrete. Bondtuf PC 1 combines the properties of water reduction and workability retention. It allows the production of high performance concrete and/or concrete with high workability retention. Bondtuf PC 1 is a strong super plasticiser allowing production of consistent concrete properties around the required dosage.

CHARACTERISTICS

Appearance: Yellowish to Brownish liquid PH- Minimum 6
Specific Gravity @ 27 deg c : 1.03 - 1.07 (gm/cc)
Chloride content: Nil (As per BS: 5075 Part I)
Alkali content: Typically less than 1 g Na₂O equivalent / litre of admixture.
Standards compliance
Bondtuf PC 1 complies with IS:9103 , BS:5075 and ASTM-C494 Type 'G' .

ADVANTAGES / BENEFITS

Bondtuf PC 1 is a high performance superplasticiser intended for applications where high water reduction and long workability retention are required, Low viscosity suitable for pumping of different grades of concrete to higher floors, Can also be utilized for high strength and high performance concrete, At high dosage it does not have high retardation effect, Higher E modulus , Improved adhesion to reinforcing and pre-stressing steel , Better resistance to carbonation , Reduced permeability , Better resistance to aggressive atmospheric conditions, Reduced shrinkage and creep & Increased durability

DIRECTIONS FOR USAGE

The optimum dosage of Bondtuf PC 1 to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0.5 to 2.5 kg/100 kg of cementitious material. Dosage outside the normal range quoted above can be used to meet particular mix requirements. Contact Bondtuf for advice in these cases Over dosage may cause delay in the setting time (but better than conventional SNF based admixture) and segregation.

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PRECAUTIONS

Health and safety instructions Bondtuf PC 1 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. For further information consult the Material Safety Data sheet available for this product.

SUPPLY

Bondtuf PC 1 comes in 20 and 240 Kg.

SHELF LIFE

Bondtuf PC 1 has a minimum shelf life of 12 months provided the temperature is kept within the range of 20 deg C to 50 deg C and stored in unopened containers. If temperature of the product falls outside this range then contact local Bondtuf office for advice.

TECHNICAL SUPPORT

Bondtuf 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.

IMPORTANT NOTE

Bondtuf products undergo high standard quality checks and every reasonable precaution is taken in the manufacture of all products. BONDUF continuously strive to ensure the products, recommendations, specification & information given is reliable, correct and accurate. No specific guarantee can be assured as product performance depends not only on quality but also on many other factors which are not under our control. The customer should make his own trials to determine the compatibility of the product for his own purpose. All products are sold subject to our standard terms and conditions of sale.

BONDUF PRODUCT RANGE

WATERPROOFING COMPOUNDS | REPAIRS & REHABILITATION AGENTS | ADMIXTURES & CONCRETE TREATMENT
FOUNDATION GROUTS & FLOOR HARDENER | EPOXY COATINGS & SCREEDS | TILE & STONE FIXING ADHESIVES