



## **BOND TUF SPL1**

Chloride Free Super Plasticising / High Range Water Reducing Admixture

**BOND TUF CHEMICALS PVT. LTD.**

AN ISO 9001 : 2015 COMPANY

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

## BONDTUF SPL1

Chloride Free Super Plasticising / High Range Water Reducing Admixture

### DESCRIPTION

BONDTUF SPL 1 is a concrete super plasticizer and high range water reducing admixture. On addition to concrete it disperses the cement particles i.e., enhances the work ability many fold without much affecting the set rate of concrete. The unique formulation is based on sulphonate naphthalene formaldehyde.

### CHARACTERISTICS

Colour : Brown  
Specific Gravity : 1.18 to 1.2 gm/cc at 30 deg C  
Air entrainment : approximately 1% air is entrained over Control concrete.

### ADVANTAGES / BENEFITS

The versatile product gives high workability concrete which can ease and quicken placing and compaction of concrete. It gives high quality concrete without blemishes of bleeding, segregation etc., gives flowing concrete which can be pumped. When used to reduce water content, BONDTUF SPL 1 gives very high strength because of its great water reducing ability, increases impermeability of concrete and its durability. High cement reductions are possible which result in same grade of concrete have found applications in the concrete industry.

### DIRECTIONS FOR USAGE

BONDTUF SPL 1 can be used with all standard cement types. BONDTUF SPL 1 of required quantity should be added to a part of gauging water before mixing with concrete for better results. The concrete should be mixed for at least a minute after addition of BONDTUF SPL 1. Attention should be paid to the ASTM, BS, DIN and IS Specifications relating to mixing times and general conditions for the production, application and curing of concrete.

### PRECAUTIONS

Health & Safety instructions BONDTUF SPL 1 is non-toxic, non-flammable. Splashes if any should be washed with plenty of water. When it comes in contact with eyes, take doctor's advice.

### DOSAGE

The normal dosage range is 0.3 to 0.7 litre per 50 Kg. of cement. The optimum dosage and compatibility of the admixture with the locally available materials has to be ascertained by proper site trials. An overdose of BONDTUF SPL1 will give some retardation but the ultimate strength will not be reduced and could be increased if advantage is taken of increased work ability.

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### CONSUMPTION

300 -700 ml. per bag of 50 kg cement depends on the mix design.

### SUPPLY

It is supplied in 5,20 and 240 kg

### SHELF LIFE

Bondtuf PL1 has a minimum shelf life of 12 months

### 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

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