



BONDTUF LOCKSET

Polyester Resin Based Anchor Grout

BONDTUF CHEMICALS PVT. LTD.

AN ISO 9001 : 2015 COMPANY

www.bondtuf.com

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DESCRIPTION

Bondtuf Lockset is a polyester resin based material used for the rapid grouting and commissioning of machines and structures where the bed thickness is between 3mm and 25mm. Units to be grouted may contain areas of concrete to concrete, concrete to steel and steel to steel. The product is suitable to support all equipment subject to heavy loadings and may be used effectively to fill misaligned saw cuts.

Bondtuf Lockset may be placed under water to act as void filler and stress distribution medium. UngROUTED gabions can be submerged and then post grouted using Bondtuf Lockset

Ready for onsite mixing, consisting of a tin of base resin and a bag of catalysed filler. The mixed grout will harden to give rapid strength gain reaching 70N/mm² in 6 hours. Placed units will resist compressive and high impact loads The chemical mechanism will continue at temperatures down to 0°C with only a small increase in hardening time. The hardened grout is resistant to chemical attack from many chemicals and petroleum products. Two grades are available for summer and winter use.

CHARACTERISTICS

Typical Grout Properties @ 20°C

Compressive Strength

2 Hours

50N/mm²

6 Hours

70N/mm²

1 Day 50N/mm²

80N/mm²

Density

1540kg/m³

Flexural Strength

25N/mm²

Tensile Strength

12N/mm²

Compressive Modulus

15kN/mm²

Working Time Winter Grade

8 - 12 minutes

(above 20°C setting will be rapid)

Summer Grade

18 - 22 minutes

(below 10°C setting will be extended)

Set Times

Temperature °C 30°C 40°C

Set Minutes 15 10

ADVANTAGES / BENEFITS

- Grouting of machine bed plates and crane rail tracks.
- Reciprocating equipment subject to heavy loads and vibration.
- Rapid opening and commissioning of placed units even in cold ambient conditions.
- Underwater grouting of steel plates to concrete sections, dock gate hinges and gabion fill.
- Extension of the rebar's.

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PRECAUTIONS

Health and Safety Bondtuf Lockset is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately

DIRECTIONS FOR USAGE

For single pack mixing, pour the resin into a suitable mixing vessel such as a rubber or polythene bucket. For smaller mixes use one part by volume of resin to one part by volume of catalysed filler. Slowly add the catalysed filler whilst continuously mixing. Mixing can be carried out using a slow speed high torque drill and Grout Stirrer. For larger mixes a forced action Creteangle or Mixal mixer should be used.

The mixed grout should be placed as soon as mixing is completed as the chemical reaction is rapid. Grout can be placed in bed thicknesses of between 3mm and 25mm. Clean tools with Solvent before Bondtuf Lockset has started to harden. No special curing is required for the placed units or grout. Protect the placed units from compressive loads impact for the first 2 hours after setting

AREAS OF APPLICATION

- ❖ Rock bolting
- ❖ Fixing of foundation bolts.
- ❖ Machinery base plates.
- ❖ Reinforcement starter and extension bars
- ❖ Load bearing anchorages like attachment of machinery equipment, structures etc.

SUPPLY

Bondtuf Lockset Come's in 1kg packs.

SHELF LIFE

Bondtuf Lockset will have a storage life of 6 months.

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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. BONDTUF 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 trails to determine the compatibility of the product for his own purpose. All products are sold subject to our standard terms and conditions of sale.

BONDTUF PRODUCT RANGE

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