

BondtufTM
CONSTRUCTION CHEMICALS



BONDTUF GROUT GP 1

Non- Shrink, Free Flow, General Purpose Cementitious Grout

BONDTUF CHEMICALS PVT. LTD.

AN ISO 9001 : 2015 COMPANY

www.bondtuf.com

BONDUF GROUT GP 1

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DESCRIPTION

❖ Bondtuf Grout GPI is supplied as a ready to use dry powder, requiring only the addition of water to produce a free-flowing, non-shrink grout. The material is blend of specially processed cement, pregraded fillers and additives which impart :Good early and final strengths due to very low water requirement, Controlled expansion to retain the original volume filled even after settling & Free flow characteristics without any segregation and bleeding. Bondtuf Grout GPI, on setting will have a micro-cellular structure with high frost, fire and oil resistance.

CHARACTERISTICS

Fresh wet density : At flowable consistency 2080 kg/m³

Water powder ratio : Consistency W/P Water required per 25 kg bag Flowable is 0.19 4.75 (liter water)

Max flow distance in mm

Grout	Gap width	50mm	100mm	250mm
Consistency	(mm)	head	head	head
Flowable	30	500	1000	2000
	50	1000	2000	3000+

Compressive strength @ 1 Day 15 Mpa @ 7 Day 45 Mpa @ 28 Days 65MPa

Setting time BS 4551 Pt14:1980 Initial set: 6 hours

Time for expansion - Start :15 minutes
Finish : 2 hours

Chloride ion content < 0.05%

Adhesive bond strength > 2.0 MPa Adhesive bond strength after

freeze thaw thermal cycling > 2.0 MPa

ADVANTAGES / BENEFITS

Non-shrink - Will continue to occupy the filled space without shrinkage. Continues to provide support to the bearing areas and dampens vibration. Free flow - Ensures high level of contact with load bearing area. Also helps complete filling without voids. No need for external aids like rodding, poking, chaining etc. Pre-packed and factory controlled - Consistency and reliability ensured. Site batching and blending variations eliminated. Iron free - No chance of deterioration by uncontrolled rust expansion, corrosion and staining of grout Chloride free - Does not cause corrosion of machine parts, anchor bolts etc., in contact with grout.

PRECAUTIONS

Health and safety Bondtuf Grout GPI is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn. If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

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DIRECTIONS FOR USAGE

Foundation surface: - The substrate surface must be free from oil, grease or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Bolt holes and fixing pockets must be blown clean of any dirt or debris. Several hours prior to placing, the concrete substrates should be saturated with clean water. Immediately before grouting takes place any free water should be removed with particular care being taken to blow out all bolt holes and pockets.

AREAS OF APPLICATION

Can be used in construction grouting deep anchors, bolt pockets, machine turbines, DG Sets transformers etc.

SUPPLY Bondtuf Grout GPI comes in 25kg packs

SHELF LIFE 1 Year (to be stored in cool and dry place)

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. BOND TUF 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.

BOND TUF PRODUCT RANGE

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