



RISK FREE



FAST CURE SUPER STRONG

NO MANUAL MIXING
NO WASTE
NO MESS



Product Code: 21423 (280ml)
Product Name: Bison® Boltfix Anchoring Adhesive

Description

Bison® Boltfix is a fast curing two component, chemical fastener based on synthetic polyester resins (Styrene Free). As Bison® Boltfix is styrene free the product is completely waterproof and will withstand prolonged exposure to moisture. Bison® Boltfix is to be used instead of plugs or expansion anchors as no pressure building will take place.

Characteristics

- Styrene free
- 100% waterproof
- Withstands prolonged exposure to moisture

Technical Data

Based	Polyester Resins (Styrene Free)
Application Temperature	+5/+30
Density	1,65g/ml
Consistency	Paste
Minimum application temperature of the cartridge	+20°C
Temperature resistance	+80°C
Mixing Ratio	1 : 10
Shrinkage	0%
Frost resistant till -15°C during transport	Yes
Tensile Strength	>10 N/mm2 ASTM 638
Compressive Strength	>78 N/mm2 ASTM 695
Flexural Strength	21 N/mm2 ASTM 790
Modulus	4570 N/mm2
Advised Safety Factors	2:1/4:1
VOC (%)	0%
VOC (g/litre)	0

Limitations

A chemical anchor for reinforcing-rods and bolts in massive and hollow surfaces like:

- Concrete, aerated concrete
- Brickwork
- Hollow stones

As a synthetic repair mortar for concrete

For solid fastening of in building constructions, e.g.:

- Starter rods
- Window frames, roller-blinds
- Banisters
- Hinges

Surfaces

1. Drill the correct size hole for the bolt/rod to be anchored (Refer Table B). NOTE (if drilling another hole): For optimum strength the distance between the centre of two holes should be 2.5 times the depth of the drilled holes. Distance to the sides of the surfaces should be 1.25 times the depth of the holes.
2. Clean hole with brush and air blower, to remove dust and/or other particles.

Application

3. Unscrew and remove cap from cartridge.
4. Cut the clip from bag inside the cartridge.
5. Attach the mixing nozzle onto the cartridge. Insert the cartridge into the sealant gun.
6. Press the material through the mixing nozzle. To ensure the product is mixed sufficiently, do not use the first 10cm of product extruded.
7. Apply the correct amount of equally mixed Bison® Boltfix, starting from the bottom of the hole. Ensure no air entrapment.
8. Insert rod/anchor in a rotary motion into the Bison® Boltfix within the Gel Time (Refer to Table A) and if necessary make a brace during the curing time. (If the rod/anchor has to be taken out afterwards, pre-treatment with oil or grease can be carried out.) Note: Change mixing-nozzle every time the pot-life time expires.

Table A: Temperature/Gel Time/Curing Time

Temperature	Gel Time	Curing Time
5°C	25 min	120 min
10°C	15 min	80 min
20°C	6 min	45 min
25°C	4 min	25 min
30°C	2 min	20 min

Table B: Anchor Size/Hole Size

Anchor Size	Hole Diameter	Hole Depth
8 mm	10 mm	80 mm
10 mm	12 mm	90 mm
12 mm	14 mm	110 mm
16 mm	18 mm	125 mm
20 mm	22 mm	150 mm

Shelf Life

12months, when stored between +5°C and +25°C.

Limitations

Among others not recommended for continuous water emersion.

Health and Safety Recommendation

Apply the usual industrial hygiene

Remark

The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. If any clarification is required please contact Holdfast Technical Services or email sales@holdfast.co.nz.

