



# ANCHOR BOND

## Resin Mortar Anchoring System

### Technical Data Sheet



#### INDUSTRIAL GLUES & ADHESIVES RANGE

#### Description:

*A polyester resin, 2-part, rapid curing, chemical anchoring system. Applied in one single action to produce a cost effective, tough chemical resistant fixing.*

#### Features & Benefits:

- ♦ *Easy application - no specialist gun required.*
- ♦ *High strength formulation.*
- ♦ *Fixes solid and hollow base materials.*
- ♦ *Resistant to chemicals, water and vibration.*

#### Uses

ANCHOR BOND is suitable for setting bolts, studs, wall ties, starter bars or large screws, etc into a wide range of substrates.

Compatible with brickwork, concrete, masonry, stone and PFA blocks. Hollow base materials can also be securely fastened using ANCHOR BOND in conjunction with a sleeve or sieve. Once cured the adhesive is chemically resistant, waterproof and vibration proof.

#### Preparation

Drill a hole to the correct diameter and depth (see chart over leaf), ideally using a rotary percussion machine. For optimum results the wall sides should be thoroughly roughened. Clean hole and remove all dust and debris using a hand air pump or a stiff rotary brush, if required.

All bars should be clean and free from oil or grease and all flaking rust should be removed. Threaded rods or studs should be chisel ended to prevent them being unscrewed from the cured resin..

#### Application

Screw the mixing nozzle on to the cartridge (hand tighten). Place the cartridge into the dispensing gun. Squeeze the hand trigger a few times until material passes through the mixing nozzle. Allow the material to flow until an even colour is obtained (normally 5-6 inches). Insert the nozzle into the base of the hole and extrude material, half filling the hole with resin. Withdraw the nozzle then insert the fixing into the filled hole, slowly rotating to fully coat the surface. After application release the pressure from the dispensing gun. Remove the used mixing nozzle and wipe away excess material from the end of the cartridge. Once the resin has cured the fixture can be attached to the fixing and fully tightened. Do not over pressurise cartridge otherwise leakage may occur from rear pistons.

#### Curing

Dependant on temperature.  
As a guide @ +20°C:-  
Gel Time: 5 minutes;  
Load Time: 70 minutes;  
Full Cure: 2 hours.

#### Coverage

See reverse.

#### Colour

ANCHOR BOND is available in grey only.

#### Size

Available in 310ml and 400ml plastic cartridges with special mixing nozzle.

#### Shelf Life

Minimum 12 months from date of manufacture when stored in original, unopened cartridges.

#### Storage Conditions

Store in cool, dry conditions at a temperature between +5°C and +25°C. Keep out of direct sunlight and protect from frost. Storage at higher temperatures will reduce the shelf life.

#### Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations. In the event of spillage remove all sources of ignition, ventilate the area, remove people from confined areas. Material should be mopped up immediately with an inert absorbent material such as sand or sawdust and scooped up with non-sparking tools.

#### Health & Safety

Contains styrene. Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

**Note: this information is for general guidance only, since site conditions and labour are beyond our control.**



**PERFORMANCE DATA AT STANDARD EMBEDMENT DEPTH IN 25N/MM<sup>2</sup> CONCRETE USING GRADE 8.8 STEEL**

STUD SIZE (mm)	HOLE SIZE (mm)	HOLE DEPTH (mm)	RECOMMENDED LOAD (kn)	EDGE DISTANCE DEPTH (mm)	SPACING (mm)	MIN CONCRETE	APPROX NO OF FIXINGS / TUBE	
M8	10	80	4.4	120	80	110	110	60
M10	12	90	7.9	135	90	120	60	40
M12	14	110	8.2	165	110	140	40	24
M16	18	125	12.6	190	125	170	20	16
M20	22	170	18.2	255	170	230	9	8
M24	26	180	27	275	210	260	-	-

**COVERAGE**

BOLT DIA (mm)	HOLE DIA (mm)	HOLE DEPTH (mm)	400ml <i>approx number of fixings per tube</i>	310ml
8	10	80	110	65
10	12	90	60	45
12	14	110	40	26
16	18	125	20	9
20	22	170	90	5

**GEL & CURE TIMES**

TEMP (°C)	GEL TIME (mins)	MIN LOAD TIME (mins)
5	12	140
10	9	100
20	5	70
30	3	50

**Product / Order Details**

Code	Colour	Fill	Barcode	UFI
BDAB380	Grey	400ml	5060021363541	Part A: UK10-F0RY-900U-RT8C
BDAB310	Grey	310ml	5060021368669	Part B: 84K0-YOFC-M00C-D4UE
Commodity Code		3907911000		
ANCHORBOND GUN FOR 400ML CART				
BDABG3	Blue	400ml	5060021363992	-
Commodity Code		8424200000		



**Note:** The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



**Part of the Bond It Glues & Adhesives Range**

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