

# BC PUR 400

## Product Description:-

Pure epoxy resin anchoring system for bolts and anchors

## Features:

Two component chemical anchoring system
Pure epoxy resin for very high bond strength
High load anchoring of threaded rods and rebars into concrete
Suitable for large diameters and diamond core drilled holes
Can be used in wet or flooded holes and underwater
Extended working times for large and deep holes
Solvent free
Mix in the nozzle two component cartridge

## Testing & Approvals:

Approved for use with studs and rebars in cracked and uncracked concrete
Approved for use with post-installed rebar connections
Post installed rebar connections 8 – 40mm rebar

## Technical Data:

Loads And Performance Data							
Non-cracked concrete (C20/25) – 5.8 grade stud							
Anchor Size		M8	M10	M12	M16	M20	M24
Anchorage depth	[mm]	80	90	110	125	170	210
Drillholediameter	[mm]	10	12	14	18	24	28
Characteristic bond strength	[N/mm <sup>2</sup> ]	9	10	16	15	15	15
Recommended tension load	[kN]	9.1	14.4	20.9	37.4	59.4	87.4
Recommended shear load	[kN]	5.1	8.6	12.0	22.3	34.9	50.3
Spacing and edge distance							
Requiredspaci*	S [mm]	160	200	240	320	400	460
Requirededge distance*	C [mm]	80	100	120	160	200	230

### Building Chemistry Industry

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### Minimum Curing Times

Concrete Temperature	Working Time	Curing Time Dry Concrete	Curing Time Wet Concrete
5°C	70 min	60 hrs	x 2
10°C	32 min	40 hrs	x 2
15°C	28 min	30 hrs	x 2
20°C	25 min	18 hrs	x 2
25°C	22 min	17 hrs	x 2

### Toolbox Talk:

#### Hole Cleaning

Thorough hole cleaning with wire brushes and dust removal pumps or vacuum cleaners is essential to ensure the integrity of chemical anchors.

It is important to follow the manufacturer's cleaning instructions to achieve the correct bond strength."

Code	Mf Code	Cartridge Size	Resin Gun	Box Qty
PUR 400	BC PUR 400	400ml	ERG	12

