

## BOF

### HIGH PERFORMANCE FIXING OF THREADED ROD AND REBAR

- Comfort security due to colour change of resin during curing time.
- Easy to dispense and fast curing.
- ETA certified for rods, rebar, concrete and masonry.
- Styrene free.
- Low smell.
- Reclosable.
- Non-flammable resin.
- High performance: medium and heavy loads.
- Works in damp conditions.



#### Notice

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## BOND & FIX

### General Information

BOND&FIX is a styrene free methacrylate resin for high performance fixing applications of threaded rod in hollow or concrete blocks and rebar into concrete and masonry.  
 BOND&FIX is a two components system (resin & hardener). The chemical reaction between the two components makes the mortar

hardening. The resin changes the colour from blue to grey when it is cured.  
 BOND&FIX is easy to dispense and is fast in curing. BOND&FIX is specially formulated for structural fixings and very technical sites: metallic racking or work into reinforced concrete.

### Technical Information

Compressive Strength	43,5	EN ISO 604 / ASTM 695
Flexural Strength	15,9	EN ISO 178 / ASTM 790
Flexural Modulus	2803	EN ISO 178 / ASTM 790
Tensile Strength	9,3	EN ISO 527 / ASTM 638
E Modulus	4874,5	EN ISO 527 / ASTM 638
VOC Content	A+ Rating	

Physical state: Fluid liquid.  
 Ratio: 10:1.  
 Color: Various.  
 Odour: Sweet-Smelling.  
 Density: 1.71.

Flash Point Interval : PE > 100°C.  
 Water solubility: Insoluble.  
 Storage: up to 18 months (5°C - 25°C).  
 VOC: 3,6 g/l.  
 For detailed information please see the Technical Data table attached to the product datasheet.

### Application and Use

- **INSTALLATION - CONCRETE:**
  - 1: Drill hole to specified diameter and depth.
  - 2: Clean hole by brushing and blowing alternately:
    - Concrete Option 8: 2x blow (hand pump/6bar), 4x brush, 2x blow (hand pump/6bar)
    - compressed air (6bar) for drilled holes  $h_{ef} \geq 10d$  or  $> \varnothing 22mm$ .
    - Rebar : 2x blow (6bar), 2x brush, 2x blow (6bar).
    - Masonry, solid and perforated : 2x blow (hand pump), 2x brush, 2x blow (hand pump).
  - 3: Dispenser adhesive until uniform colour appears. Inject resin using a dispensing tool. Fill hole one-half to two-thirds full, starting from bottom of hole, withdraw the nozzle after each trigger to prevent air pockets.
  - 4: Insert clean, oil-free threaded rod/rebar, turning slowly until anchor/threaded rod reaches bottom of hole.
  - 5: Threaded rod/rebar can be adjusted and/or more resin added before working time elapses.
- **INSTALLATION - MASONRY:**
  - 1: Drill hole to specified diameter and depth.
  - 2: Clean hole by brushing and blowing alternately:
    - Concrete Option 8: 2x blow (hand pump/6bar), 4x brush, 2x blow (hand pump/6bar) - compressed air (6bar) for drilled holes  $h_{ef} \geq 10d$  or  $> \varnothing 22mm$ .
    - Rebar : 2x blow (6bar), 2x brush, 2x blow (6bar).
    - Masonry, solid and perforated : 2x blow (hand pump), 2x brush, 2x blow (hand pump).
  - 3: Insert Tech Masters sleeve.
  - 4: Dispenser adhesive until uniform colour appears. Fill sleeve by withdrawing nozzle one graduation after each trigger pull of dispensing tool.
  - 5: Insert clean, oil-free threaded rod, until it reaches bottom of sleeve.
  - 6: Rod can be adjusted and/or more resin can be added before working time elapses.
- **APPLICATION:** Rebar connections, Threaded rod, Fixing of heavy metal structures, Balconies, Facades, Racking

Article nr	Name	Content	Section
T595003	Bond & Fix	300ml	ADHESIVES AND SEALANTS
Y595010	Mixer Tip 280ml	1 pc.	TOOLS
Y595013	Brush17 mm	1 pc.	TOOLS
Y595014	Brush 30 mm	1 pc.	TOOLS
Y595015	Blowing Pump	1 pc.	TOOLS
Y595016	Sleeves M12x50	150 pcs.	TOOLS
Y595017	Sleeves M16x85	50 pcs.	TOOLS
Y595018	Sleeves M16x130	40 pcs.	TOOLS
Y595019	Sleeves M20x85	30 pcs.	TOOLS
Y595020	Brush 12 mm	1 pc.	TOOLS

