

## 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

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

## 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
Flexual Strength	15,9	EN ISO 178 / ASTM 790
Flexual 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

