

# HeliBond

High performance,  
injectable, cementitious,  
non-shrink grout

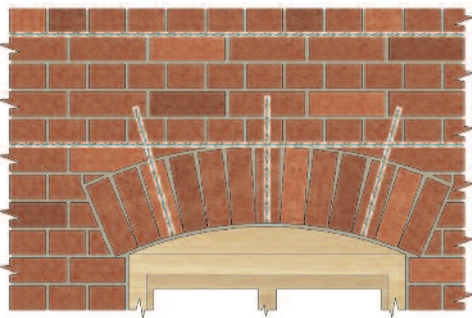
## Applications

- Used to bond HeliBars into masonry for crack stitching, lintel repair and creation, masonry beaming and CemTie installation
- For bonding metal components into masonry and concrete substrates

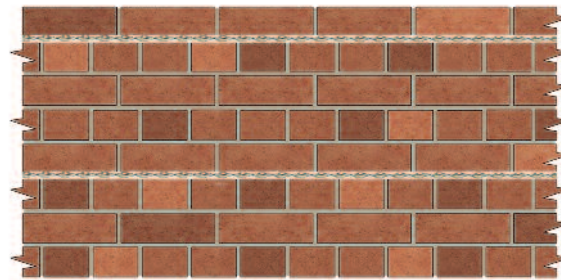


## Features

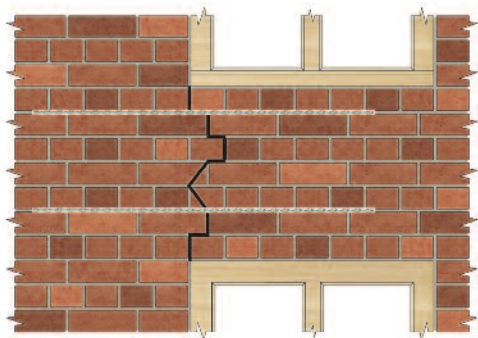
- Non-shrink, non-gassing, thixotropic grout
- Flows easily under pressure to fill voids
- Rapidly develops compressive strength
- Cures to 45MPa (28 days at 20°C)
- Ready-to-mix components supplied in two-pack sets to reduce waste



Repairing brick arch lintels



Creating masonry beams



Crack stitching



Scan the QR Code for full Product Information,  
Case Studies and downloadable Repair Details

# Directions for use



1. Empty the contents of the liquid pack into the pail



2. Add the contents of the powder pack



3. Stir thoroughly using a power-driven paddle mixer. Do not attempt to mix by hand as this will result in inadequate mixing



4. Check the piston is a snug fit in the cartridge and adjust in accordance with the pointing gun instructions. Load the mixture into the cartridge in the pointing gun immediately after agitating



5. Inject into the slot or hole in a continuous operation. Typical working life of the mixture in the pail is around 2 hours **with re-agitation**. The cartridge should be emptied within 5 minutes. If the injection process is interrupted for any reason, empty any cartridge contents back into the bucket and re-mix until it again reaches a smooth injectable consistency

## Note

- If the pail is to be re-used ensure that it is completely clean before loading fresh material
- Pointing may be carried out as soon as the HeliBond has started to set
- After use, clean all tools, mixers and containers with clean, fresh water

For anchoring applications, a minimum clearance of 2mm all around the component will be adequate but should be increased to overcome drill wander in deeper holes, 500mm+, or to accommodate highly absorbent substrates. For Helifix bars and ties the following will generally apply.

# Performance data

|                                     |   |
|-------------------------------------|---|
| Compressive strength:<br>(at 20°C)  | 2 days – 15MPa<br>7 days – 25MPa<br>28 days – 45MPa   |
| Pot life:                           | 2 hours at 20°C   |
| Temperature conditions:             | To be stored, away from direct sunlight, at 5°C to 25°C and not to be used at temperatures below 5°C or if there is a danger of frost |
| Pail storage:                       | Pails to be stacked no more than four high  |
| Shelf life:                         | 12 months under normal conditions   |
| Pack size:                          | 3.0 litres and 4.5 litres   |
| <b>RECOMMENDED TOOLING</b>          |   |
| For mixing components:              | Power drill and paddle mixer  |
| For injection into slots:           | Helifix Pointing Gun Kit - CS   |
| For injection into holes:           | Helifix Pointing Gun kit - HD   |
| Also available with pneumatic power |   |

| Bar Diameter | Slot width | Hole diameter |
|--------------|------------|---------------|
| 4.5mm        | 6-8mm      | NA            |
| 6mm          | 8-12mm     | 10-12mm       |
| 8mm          | 12-14mm    | 14-18mm       |
| 10mm         | 14-16mm    | 16-18mm       |
| 12mm         | 16mm       | NA            |

NB To ensure a reliable bond, all mortar must be removed from the masonry unit surfaces, within cut slots, before wetting down.

## Health and safety

HeliBond contains Portland Cement and is therefore alkaline when wet. Unnecessary skin contact should be avoided. In case of eye contact, the eye must be irrigated with gently running clean, fresh water and medical attention sought. A separate Health & Safety Data sheet is available on request.