

MaxiCrete is a hot applied resin based flexible concrete repair material designed to repair cracks, spalls, holes, failed joints and most types of defects in concrete pavements up to depths of 100mm. It is a synthetic polymer-resin compound containing cement, mineral fillers, chopped fibres and graded granite aggregates. It has been designed to extend and compress with the expansion and contraction of the pavement meaning there is no requirement to reform joints through the finished repair. MaxiCrete produces an impervious, impact resistant, load bearing, highly flexible repair that once installed, withstands aircraft and vehicular movements and varying climatic changes. The material can accept aircraft and vehicular traffic within 60 minutes of installation. MaxiCrete is grey in colour making it suitable for all concrete pavements.

Typical Uses:

- For repairing cracks, spalls, holes and failed joints in concrete surfaces. It can be used to replace any type of failed concrete surface up to 1000mm wide and depths up to 100mm.



Benefits:

- Prolongs the life of cracked, spalled concrete pavements.
- Fast curing
- Can be used in a overlay situation or as a trafficked surface
- Prevents the ingress of water and de-icing salts.
- No primer is required on asphalt surfaces.
- Enhances ride quality.
- Simple heating and application procedures.
- Allows complete movement in all directions
- Can be installed at depths up to 100mm and widths of 1000mm

Installation:

Cracks and defects in concrete pavements must be thoroughly cleaned and dried prior to application of MaxiCrete. All excavations must be free from loose materials and dust. Previously treated areas must be thoroughly prepared ensuring all old, oxidised or moribund sealants are removed.

Maxi-Crete must be heated to between 180°C-210°C in a horizontally agitated mixer unit. The application is carried out via a hand tool that ensures even distribution of the hot compound. When carrying out repairs greater than 20mm in depth, MaxiCrete must be installed in lifts of 20mm allowing each layer to cool (approx 10 minutes). For repairs greater than 40mm deep and where excessive movement is expected to take place, consideration should be given to specifying MaxiCrete 40 in combination with MaxiCrete 20. The finished repair is dressed, while still molten, with clean, dust free, pre-heated (to 140°C) 2-5 mm aggregate to restore a good high friction surface. Once the repair has sufficiently cooled (15/120 mins) the repair and the surrounding area should be swept by mechanical means to remove excess aggregate and all debris.



For quotations and more information about our services please contact us:
Telephone: 01924 263 692
Fax: 01924 263 999
Email: info@routeonehighways.co.uk