Masonry Cement Composites (Pty) Ltd

Registration Number: 2014/263264/07
VAT No: 4090268972
27 Reuben Kaye Road, Parow Industrial, 7493
Tel: 021-934 0374 / Whatsapp: 068 006 4419

Generated on: 2026-11-10 20:26:15

Durascreed 50 Industrial Overlay 25Kg



SKU: MWMDS525

TECHNICAL DATASHEET

DURASCREED 50
Monolithic Screed Topping for Industrial Overlay

DURASCREED 50 a processed inert quartz aggregate combined with blended cements and proprietary chemicals to achieve controlled setting and workability characteristics producing a shrinkage controlled, pre-mixed screed topping. DURASCREED 50 is a multi-component product specially designed to be used as a floor repair product and for monolithic floor overlays.

TYPICAL APPLICATION
Repairs to large floor overlays, parking garages, ramps and roads, bridge deck repairs (where concrete spading is in excess of 20 mm). Hard wearing areas such as abattoirs, laboratories, car parks, power stations, breweries, agricultural buildings, etc

ADVANTAGES
• Economical
• Simplified installation
• High early strengths
• Increased abrasion resistance
• Concrete appearance
• Early traffic - 12 hours

• High density surface. Minimises dusting and is ± 60% more impermeable to oil and grease penetration than plain concrete
• Durable
• Reduces maintenance costs

WATCH POINTS
• Do not re-constitute the mix after initial setting has occurred.
• Do not mix more than can be used within 20 minutes.
• Do not use more water than is prescribed as this will cause uncontrolled shrinkage and cracking
• Use surface curing agents while screed is under cure.

DIRECTIONS FOR USE
For Monolithic construction: DURASCREED 50 mixed and applied not less than 10mm thick must be laid within 13 hours of the base concrete. This form of construction should be used wherever possible as it produces an integral floor finish, reduces construction time and therefore costs are kept to a minimum

For Monolithic screeds: This method is used when the base concrete has set and hardened for a minimum period of 28 days prior to applying the screed. It is then necessary after preparation of the base concrete to apply a bonding layer before applying DIJRASCREED 50 at a minimum thickness of 20mm.

Surface Preparation: The area to be repaired must be first scrabbled and then cleaned to remove all oil, grease, laitance and dust. The cleaned surface is then pre-saturated with water for a period not more than 12-18 hours prior to the product being applied. Ensure that all free water has been removed.

Priming: Using a bonding slurry as a primer is not recommended. Rather the use of POXY 1305 wet-to-dry epoxy is a safe, sure method of creating a strong bond between the substrate and DURASCREED 50. This is the recommended method to best control the effects of shrinkage in the topping.

Application: Mixing should at all times be carried out by mechanical means. Add 2,5 litres water per 25kg bag to produce a plastic mix 50mm slump. The mixed material must be placed within I hour; any material remaining after this time should be discarded.

The pre-mixed DURASCREED 50 material must be spread evenly onto the base concrete, consolidated and levelled. Care should be taken to obtain full compaction of the screed including bay edges and comers. A smooth hard surface is obtained by either hand trowelling or using a power float after compaction, followed by a final hand trowelling to remove any disc marks. The newly laid surface must be cured with CURE 200 (indoors) or CURE 300 (outdoors) curing compound immediately after the final trowelling operation has been completed. Protect all surfaces from traffic until the surface has hardened after 12-18 hours.

TYPICAL PROPERTIES

Appearance Grey / Brown
Coverage 1.2m2 @ 10mm
Working Time 20-30 minutes
Initial Set Time 1 hour
Time to traffic 12-18 hours
Time to Grinding 48 hours
Application thickness 10mm to 20mm
Application Temp. 15°C to 25 °C
Compressive Strength 25 MPa (1 day)
55 MPa (28 days)
Yield 12Lts per 25Kg
Water Required 2.5Lts per 25Kg

Equipment Care
All tools should be cleaned with thinners immediately after use. If delayed, the equipment will need mechanical action to clean or be discarded.

Warranty
Masonry Cement Composites (PTY) Ltd products have a manufacturing defect free warranty. Products, when applied as stipulated in this technical datasheet, will perform as specified without manufacturing defect.
REVISION: 5.2