

MB Solutions Seven Hills Site

Joint Repair – MasterSeal CR 435



The repaired joint outside MB Solutions Seven Hills warehouse driveway

Project:

Joint Repair

Location:

MB Solutions Seven Hills Site

Project completed:

2016

Applicator / Contractor:

CP Applicators

Products used:

MasterSeal CR 435

Contact:

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The Background:

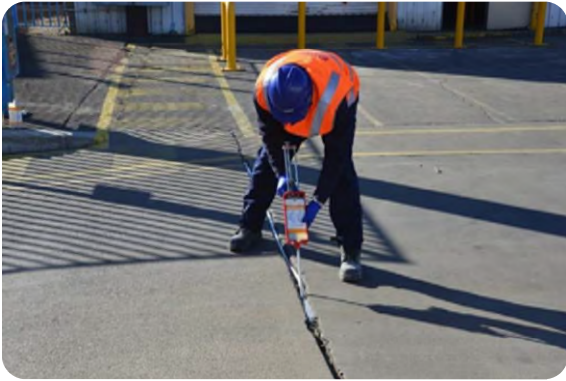
A joint between two slabs (one sloping) had opened up over time and the joint had become contaminated with dirt and debris. The exposed edges of the joint were showing signs of damage. The immediate needs were to stop further deterioration and seal the joint.

The Challenge:

The affected driveway is in use from morning to night and there is little availability to stop the passage of trucks and forklifts. The joint needed to be resealed during working hours and not disrupt the activities on site. The material needed to be suitable for the abrasion of all types of vehicles including cars, utility vehicles, delivery vans, B doubles and hard wheeled forklift traffic.

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Our Solution:

The MasterSeal CR 435 joint sealant has some unique characteristics that made it perfect for this application. It has high Shore A hardness making it abrasion resistant. It has fast cure allowing return to service in minutes, rather than hours or days. It is self priming so minimal preparation was required. All that was needed was to clean the joint and instal a backer rod to give the right joint thickness. This allows the joint sealant to move with the expansion and contraction of the slabs.

The Customer's Benefit:

- Shore A hardness of 80MPa – giving long term durability and abrasion resistance.
- Gel time of approximately 4 minutes – fast hardening allowing for return to service within 15 minutes, almost no disruption to normal operations.
- Twin cartridge – part used cartridges can be kept for the next job. Only the static mixer was discarded- no wastage.
- Concrete grey colour of the cured sealant – blends in with the concrete.
- UV stable – suitable for internal and external use. Sealant will not crack or disintegrate under exposure.

Project Facts at a Glance

- Movement joint needed repair without stopping traffic.
- Trucks and forklifts crossing the joint in less than 15 minutes of the application
- Minimum joint preparation required

Master Builders Solutions

Master Builders Solutions is a leading global manufacturer of concrete admixtures, as well as other sustainable solutions for the construction industry, focused on delivering its vision: Inspiring people to build better. Master Builders Solutions provides value-added technology and market-leading R&D capabilities to improve the performance of construction materials and to enable the reduction of CO2 emissions in the production of concrete. Founded in 1909, Master Builders Solutions has more than 1,600 employees and 35 production sites globally with over 150 employees and 6 production sites operating across Australia and New Zealand. Master Builders Solutions supports its customers in mastering their building challenges of today – for a decarbonised future.

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