Resin Bound Crack Repair
Technical Datasheet

INTRODUCTION

Sometimes a crack can appear in a resin bound surface due to varying reasons, base and sub base movement, thermal expansion and contraction and reflective cracking from the underlying base to name but a few. In some circustances a repair can be carried out, rather than removing and replacing the entire surface.

METHOD 1

Thin Cracks and Hairlines

In the case of hairline or think cracks, a near invisible repair can be made using the method below:

• Source some 1-3mm aggregate that matches the blend that was laid.

• Use a sieve to extract the smallest particles from the 1-3mm aggregate

• Weigh the fines (try to get a round figure like 500g or 1kg to make things easy to work out)

• Batch and mix up some resin binder to be 7% of the weight of the fines previouly extracted

•Mix together until consistent

•Mask off either side of the crack

• Apply fine mix to crack with a plastic trowel or spatula, taking time to work in the material into the crack

•Remove the masking tape and leave to cure

METHOD 2

Wider Cracks

For wider cracks a different method should be used:

• Use a hammer and bolster or chisel to widen the crack

• Ensure the area has an irregular edge with no broken or cut stones on the perimeter

• Remove loose material, and thoroughly clean the area to ensure no dust and debris are present

• Mix up a quantity of resin bound to match the existing blend

• Apply with a plastic trowel, making sure to compact well and work the material out to the perimeter, leaving no voids and ensuring the repair is flush with the existing surface

• Leave to cure

SOLUTIONS

With older surfaces, the repair will appear “brighter” or more colourful.

This can be mitigated by carrying out a reseal on the existing surface, which will give the repair and old surface a uniform appearance.



Visible Cracks

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