

RESIN BOUND STONE

TROWEL DOWN SYSTEM

AI/41



INSTALLATION INSTRUCTIONS

Before commencing read the Safety instructions on container and Product Information, Installation Instruction and Safety Data Sheets No'd 41

The system is designed to be laid onto concrete. We have received anecdotal evidence of very successful application to tarmac/asphalt.

PREPARATION

A new base should be designed to take the loads to be imposed and have adequate expansion joints, dividing the slab into correctly sized bays, and at stress points i.e. where the concrete widens or narrows, at building corners, etc.

When laying on existing concrete any erroneous cracking should be cut out and repaired with Adseal Epoxy Mortar repair system and new expansion joints cut to form proper bays and at stress points.

The concrete should be free of all loose and friable contaminations, and pot holes should be filled prior to application of the Adseal system. Filling pot holes can be achieved either by mixing the primer resin with dry fine sand, until a mortar like consistency is achieved or by purchasing Adseal Epoxy repair mortar. Press the filler into the hole and smooth off with a trowel.

It is recommended that the surface be power washed to remove all loose and friable materials and allowed to dry before applying the primer.

MIXING AND APPLICATION PROCEDURE

We advise the use of a primer to 'strengthen the surface of the concrete and to ensure adequate adhesion of any overlay systems to the subbase and particularly to tarmac/asphalt. We recommend the use of Adseal RBS primer

If the primer vanishes into the surface a second coat should be applied. Loss of primer suggests that the concrete may be weak. The primer should be visible on the surface (shiny) before continuing with the application of the system.

Apply resin overlay system between 15 minutes and 3 hours after priming whilst primer is still tacky

BINDER AND AGGREGATE

Pour polybottle of Part "B" binder curing agent into the bucket containing the Part "A" binder resin, making sure that all contents of polybottle go in. Mix using the slow speed drill for at least 2 minutes making ensuring all the resin from around the sides and bottom is in the mix.

Switch on forced action mixing machine and put in one bag of aggregate. Aggregate should not exceed 5mm. Pour all the mixed resin onto the aggregate, scrape any resin off side of tub into the mix and then add the 2nd bag of aggregate. Mix for 2 minutes until all the aggregate is thoroughly wetted out.

Pour mixed resin bound aggregate onto the area to be overlain. Using a gauging rake, spread out evenly over an area of approx 3.50m² [for 10mm finished thickness] ensuring a minimum thickness of twice the largest aggregate size

Trowel and close in using a steel trowel. When the trowel becomes sticky with resin, clean it off using Adseal solvent. Repeat this process until the area is complete. Always leave a wet edge to work to. If you need to leave the laying, work to a straight edge so that this can be joined at a later date.

TIPS ON LAYING

- Always have someone viewing surface from different angles, as the person laying has only one view and areas laid thin may be missed, i.e. concrete base may be grinning through.
- Try to finish each pass with the trowel in the same direction to avoid shading that can be seen from a different angle
- Always mix resins as close as possible to be area being laid.

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