

ROCKBOND SCP LTD

FORMULATORS, MANUFACTURERS AND CONSULTANTS OF SPECIAL CONCRETE PRODUCTS

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ROCKBOND ANCHOR T RESIN ADHESIVE

DESCRIPTION:

ROCKBOND ANCHOR T RESIN ADHESIVE (RB ATRA) is a specially formulated two part, epoxy resin system, which consists of a base resin and hardener. When the hardener is mixed with the base resin, a thixotropic paste is produced which hardens to produce a strong bonding adhesive for the installation of anchor bolts and holding down systems in both horizontal and soffit situations. The grout is supplied in 600g/400ml packs and has a shelf life of 2 years.

SPECIAL PROPERTIES:

- * Pre batched, pre packed and ready to use.
- * Quickly and easily mixed and applied.
- * Thixotropic: will not run, sag, slump, sink once in place.
- * For a low viscosity, free flow anchor resin, use ROCKBOND ANCHOR FF RESIN GROUT.
- * Bonds fast to cement, concrete, brick, masonry, stone, rock and steel.
- * Resistant to chemicals, aqueous solutions, acids, oils and organic solvents.

USES:

- + For non flow horizontal and soffit fixings in concrete, brick, masonry, rock and stone.
- + High strength structural fixings of all types.
- + Installation of reinforcing starter bars, dowels, bolts and rods.
- + Anchor systems for cables, bolts, plates and retaining walls.
- + Fixings for scaffolding, crash barriers, safety rails and fences.
- + As a permanent adhesive for strong bonding operations during building and construction.

MIXING INSTRUCTIONS:

ROCKBOND ANCHOR T RESIN ADHESIVE HARDENER is added to and mixed with the ROCKBOND ANCHOR T RESIN ADHESIVE BASE using the base container and a suitable stirrer:

Add all the contents of the hardener to the base component.
Thoroughly mix for 2 minutes until homogeneous.
The adhesive is now ready for use.

Alternatively, small amounts of the adhesive can be prepared by adding 1 part by weight of the hardener to 4.3 parts by weight of the base, and mixing until homogeneous.

APPLICATION PROCEDURE:

Use a suitable rotary impact drilling machine and bit to cut holes of the required diameter and depth into the concrete or brick. Rough sided anchor holes that provide a good mechanical key are preferred to holes that are smooth, and holes that taper outwards are an advantage. If the drill hole substrates are weak, deeper holes should be drilled. Blow out or wash out any dust or slurry.

Mix the grout, and inject the material at the back of the hole to be filled using a ROCKBOND RESIN INJECTION GUN 400ml (RB RIG400). Partly fill the cavity with the appropriate amount of resin.

ROCKBOND ANCHOR T RESIN ADHESIVE, APPLICATION PROCEDURE CONTINUED...

Push in the bar or fixing with a twisting action, and make sure it reaches the back of the cavity. Excess resin must be squeezed out at the front to ensure that the void is completely filled between concrete and steel. If required, use a hammer to hit the bar home.

To prime the ROCKBOND RESIN INJECTION GUN 400ml: in the base container, mix the components of the ANCHOR T RESIN ADHESIVE; place the plastic follower plate on the surface of the mixed material, with the outer and central lip pointing upwards; cut the seal on the nozzle end of the cartridge just above the first thread; place the back end of the cartridge vertically and centrally over the hole in the follower plate; push the cartridge down on the plate until the end plate rests on the base of the mixing tub; carefully invert and remove the full cartridge; screw the nozzle onto the cartridge; insert the plunger at the back of the cartridge; position the cartridge in the gun and inject.

For use as an adhesive: remove all traces of contamination, and apply the epoxy to both bonding surfaces. If possible, hold or clamp the surfaces together. Ensure good and continuous contact until the adhesive has gained sufficient strength, which is approximately 24 hours at 20°C.

If a low viscosity, free flow grout is required, or a large number of vertical holes in concrete or brick need to be filled, then use the ROCKBOND ANCHOR FF RESIN ADHESIVE (RB AFFRA).

HEALTH: SAFETY AND STORAGE:

Wear goggles, gloves and protective clothing while mixing, handling and applying the material. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

TECHNICAL DATA:

TYPICAL DATA at FULL CURE at 7 DAYS at 20°C

CONSISTENCY:	Thixotropic paste
CONSISTENCY LIFE:	20 minutes
DENSITY:	1100kg/m ³
MINIMUM COMPRESSIVE STRENGTH	50MPa

FURTHER INFORMATION:

Should you require further information on this product, or details of other ROCKBOND SPECIAL CONCRETE PRODUCTS, then please do contact our Technical Department:

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IMPORTANT NOTE:

ROCKBOND SCP LTD provides the above information in good faith and without warranty. The data represents typical values which can be updated at any time, and this information supersedes previous issues. No liability can be accepted for any damage or loss arising from the use of ROCKBOND SCP LTD literature or its products, because the company has no continuous control on how the products are mixed, placed or cured.

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