

Verni sees high demand for solutions to water retaining structures

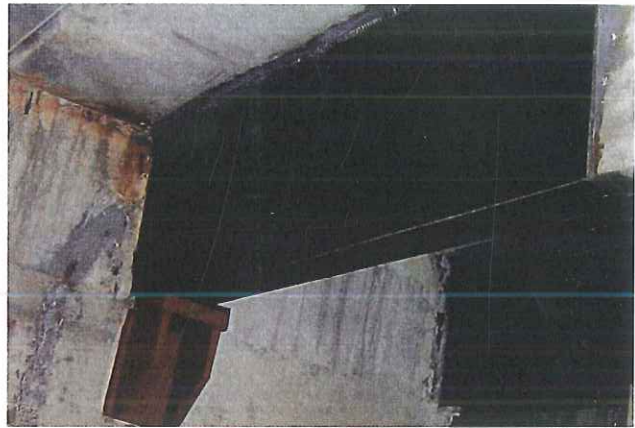
With government's R12,48 billion budget for the Water and Sanitation Department this financial year, Verni Speciality Construction Products expects to see strong demand for concrete repairs, structural reinforcing, corrosion resistant coatings and bandaging systems.

Verni's managing director, Vernon Botha, says the company has several solutions to offer, one of which is carbon fibre reinforcing – a strengthening method that is fast becoming popular among engineers as it is an easy to install and cost effective solution for repairing and strengthening aged concrete.

The strengthening method has proven to have a few advantages over traditional methods. It adds strength to structures without mass, it is corrosion resistant, has improved durability and flexibility and maintains the structures' original features. The concrete is repaired where there are minor cracks by removing loose debris, and filling in cavities and cracks with mortar or epoxy resin, or for spalled concrete, the concrete is broken back beyond reinforcing, reinforcing is reinstalled and the concrete is repaired with a rapid hardening repair mortar and protected against corrosion as required. Once the concrete is repaired the strengthening can be achieved through wet hand lay-up of impregnating the carbon fibre sheets with epoxy resin and applying them to the cleaned and prepared surface. Typical applications are to concrete

slabs, concrete beams, column strengthening, and general enhancement of structural strength in water retaining structures, old buildings, and bridges.

"Verni is poised to dominate the market," says Botha. ■

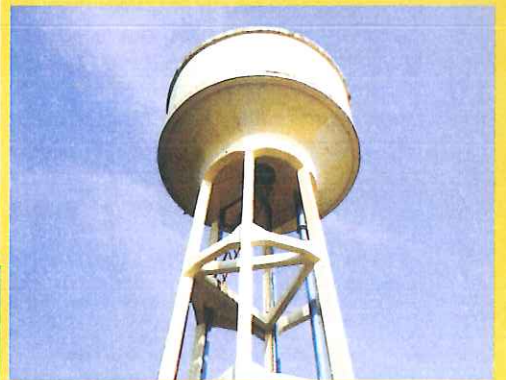
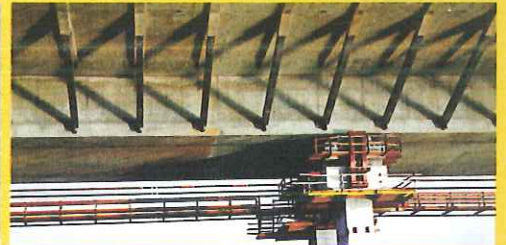


Carbon Fibre Reinforcing

cement and concrete

- grouting
- concrete repair
- structural reinforcing
- specialist protective coatings

- ⦿ Cement/resin based grouts & repair mortars for concrete
- ⦿ Primers, adhesives & pre-treatment for concrete & steel reinforcing
- ⦿ Epoxy crack injection systems
- ⦿ Specialist waterproofing & protective coatings
- ⦿ Carbon fibre - structural reinforcing



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