



■ Mining



Reference Details:

Owner Goldfields Mine Management, WA, Australia

DSI Unit Exclusive distribution of steel and synthetic fibers for shotcrete manufactured by Radmix International Pty. Ltd., Carabooda, WA, Australia

DSI Scope Supply of OMEGA[®]-Bolts



DSI Australia signed an exclusive distribution agreement for the supply of shotcrete fibers

DSI Australia has signed an exclusive distribution agreement with Radmix International Pty. Ltd., Australia, for the supply of steel and synthetic fibers for shotcrete application in the mining and tunneling markets.

Fiber reinforced shotcrete is typically used in mine and tunnel roadway development as well as for slope stabilization to provide a reinforced surface support.

With shotcrete applications the concrete is pneumatically applied through a hose and is compacted by impact energy. Fibers added to the concrete improve the performance of the shotcrete, hence are playing an increasing role as the reinforcement medium of choice. For a uniform performance of the concrete layer, the fibers are randomly distributed throughout the shotcrete.

Fiber reinforced shotcrete offers customers a product which is easier and safer to apply, cost effective and superior in strength and toughness than other forms of concrete reinforcement such as welded wire mesh. Fiber reinforced shotcrete also achieves higher grades of crack resistance, ductility, energy absorption and impact characteristics than alternative surface support options.

Radmix is one of the world's most efficient and technologically advanced steel and synthetic fiber manufacturers. Radmix combines comprehensive research into the latest reinforcing fiber technology from around the world with in house development of fiber design and production technology. As a result, Radmix stands as one of the few companies worldwide to provide a complete range of fibers and technical expertise at competitive prices.

The addition of shotcrete fibers to the DSI product range fits extremely well with the products DSI is offering to the underground mining market. This fiber product range will further develop the company's position as the global market leader in ground support products and continue to enhance DSI's "one stop shop" approach for ground support products.