

No Bleed - No Segregation - No Shrink - No Crack Concrete Tilt Ups

In October 2006 John Higgins, the immediate past president of the Tasmanian branch of the Concrete Institute of Australia was having trouble with the supply of quality 32 MPa concrete. What was being delivered was difficult to work with and bled profusely.

John went around to the plant concerned, added MgO to the mix to our specifications and the quality that resulted is easy to see from the pictures below.

In all some 200 tonnes of tilt up, each weighing around 42 tonne were made with Tec-Cement concretes and the balance of about the same amount using conventional cement concretes.

Our Tec-Cement concrete tilt ups were free of plastic cracking, obvious bleed marking and other defects. Although no samples were taken for strength testing, when hit with a hammer they had a healthy ring about them!



John Higgins Pointing out the Bleed Marks and Segregation on a non Tec-Cement Tilt-Up. Tec-Cement Tilt-Ups Either Side.

The above photo shows TecEco Tec-Cement concrete tilt ups either side of what is an inferior normal concrete from a major supplier. The bleeding and segregation in the centre tilt up using “normal” concrete is obvious.