

RAD47s



Description

Radmix RAD47s is a Macro Structural Synthetic Fibre that gives optimum performance in highly corrosive environments. Is ideally suited in pre-cast, slabs on ground among many other applications. Higher Re3 values are achieved in slabs on grade when using this fibre.

Technical Information

• Material	100% virgin polypropylene	• Alkali Resistance	excellent
• Grade	hp565k	• Fiber Type	embossed
• Melt flow	3.5	• Packing	5KG boxes
• Specific Gravity	0.92	• Grasp Force between	
• Melt point	170°c	Fiber and Cement	500 + Mpa
• Fiber Length	47mm	• Color	Grey
• Width Mean	1.2820 mm	• Electrical Conductivity	Low
• Thickness Mean	0.49333	• Moisture Content	0.0%□
• Strength	550 + Mpa min	• Standard Dosage	2 - 10 kg/m ³
		• Fibres per Kg	39,000 ± 1,000

Benefits

The unique packaging allows cost saving in transport, storage and handling, with the combined use of water soluble wrapping there is no waste to dispose of.

Packaging, Storage & Product Information

- 5KG boxes - fibres wrapped in water soluble plastic pucks (Parallel Packed) in biodegradable boxes.
- Entire package is thrown into the mix this allows for easy handling whilst leaving no waste on site.
- Allow 3 to 5 minutes at mixing speed for fibres to disperse evenly throughout matrix.
- Can be added to the mix at any stage during batching.
- Store protected from the weather.
- The RAD47s is uniquely designed and packaged allowing it to be evenly dispersed through the matrix, insuring no balling or pumping problems will occur.
- Environmentally friendly recycled packaging with no waist.

Quality & Testing

The RAD47s is Australia made and owned assuring a high quality product, backed by our research and development team.

Beam Results with RAD47s Fibres at 4, 6 & 8 kg Dose Rates. Results of flexural strength characteristics are summarized in the table. Average flexural strength parameters from the load-deflection curves (average of three beams) by test methods ASTM 1018 and JSCE – S14.

Fibre Ref./ Dose Rate (kg)	First Crack Deflect. (mm)	First Crack Load. (kN)	Flexural Tensile Strength (Mpa)	First Crack Strength (Mpa)	Flexural Tough. at 2 mm (J)	Eqv't Flexural Strength (MPa)	Max Load before failure (kN)	Eqv't Flexural Ratio Re3. (%)
RAD47s 4kg	0.025	14.284	4.01	4.01	17.0	2.390	14.284	60
RAD47s 6kg	0.034	12.087	3.76	3.36	17.7	2.440	13.452	64
RAD47s 8kg	0.083	11.880	4.55	3.36	23.2	3.286	16.071	73