

PRODUCT DATA SHEET

Description

Hooked end hard-drawn wire fibre, conforming to the provisions of ASTM A820, KS D1652 & KS BOB02.Type 1.The RAD7535HW is a general purpose fibre with an extensive history within the mining and construction industry.

RAD7535HW

Technical Information

- Diameter 0.75mm x length 35mm
- Aspect ratio = 46.6
- Loose hooked end fibre.
- Tensile Strength = 1100 Mpa.

Chemical composition (%)

Raw material: SWRM 6A Wire

- C- Max 0.10%
- Mn- Max 0.50 %
- Si- Max 0.10 %
- P- Max 0.04 %
- S- Max 0.05 %



Benefits, Packaging, Storage & Product Information

- Packed in 10kg paper bags (1000kg per pallet wrapped & strapped).
- 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 under cover protected from the weather.

Quality & Testing



Flexural Toughness and First-Crack Strength of Fiber-Reinforced Concrete REPORT CERTIFICATE - ASTM C 1018

CLIENT : Radmix International Pty Ltd
 PROJECT : Radmix Fibre Trials
 Sample Id : RAD 7535HW
 Casting Date: 21-5 ep-04
 Age of Specimens: 30

WG JOB NO : 633-01-11833
 LOCATION : Welshpool
 Lab No. : WG 96881c
 Date Tested : 21-Oct-04
 Specimen Condition : Moulded Sample, Wet
 Deflection Method : Third Point-Loading

Details of Specimens :

Widths (b), (mm) : 101
 Depths (d), (mm) : 102
 Length (l), (mm) : 360
 Beam Span, (mm) : 300
 Specimen Dry Mass, gram: 8213

Fibre Type : RAD 7535 HW

Dosage, (kg) 1 : 25 kg / m3
 Dosage, (kg) 2 : NA

Flexural Toughness and First-Crack Strength

First Crack Load, (N)	15345		
Maximum Load, (N)	15804		
First Crack Deflection, (mm)	0,035	Toughness Indices	I_5 : 3.4
First Crack Strength, (MPa)	4.39		I_{10} : 6.3
Flexural Strength, (MPa)	4.52		I_{20} : 10.5
		Residual Strength	$R_{5,10}$: 57.7
			$R_{10,20}$: 42,0

COMMENT: Equivalent Flexural Ratio $R_{e,3}$ (%) : 33

[Note: $R_{e,3}$ additional information is not a requirement of the test method.]

Certificate No. : WG 96881c

Approved Signatory : _____ (T. Mansour) Date : 27/10/04



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