



Monarflex Monarsound FR

Technical Data Sheet

Features

Monarflex MonarSound FR acoustic scaffold sheeting provides an effective system for controlling noise breakout on construction sites. It is ideal for use in minimising noise pollution in sensitive areas like schools, hospitals, residential areas. **Monarflex MonarSound FR** is made from a 5 ply composition with the top layers consisting of a weather resistant LDPE fire retardant co-polymer that encapsulates a strong multifilament polyester (PET) grid which forms the weather protection layer. On the underside there is a thick (~10mm) PE fire retardant special sound absorbent foam layer that provides the “bounce” effect of the acoustic sheeting. The sheeting is equipped with the unique Monarflex fixing eyelets for superior and long lasting fixing points.

Durability

Monarflex MonarSound can be used for all types of long term projects up to 12 months. The combination of high quality components forms a tough and durable sheeting for very extreme working conditions.

Application

Take care to overlap the lower sheet externally for weather protection. Fixing the sheeting to the scaffold must be done according to calculations, taking factors such as wind, building season and height of the surrounding buildings into consideration. We recommend the use of x 1 Monarflex Anchor & Strap fixing/m2 but any fixing must be placed according to calculations for each project

Product Name	Monarflex Monarsound FR			
	Roll Size	KG	Product Code	
Product Range	Monarsound Scaff	2.25 x 10.00m	13kg	26337
	Monarsound Fence	2.00 x 10.50m	14.5kg	26336
Durability	Project duration up to 12 months			
Material	Fire Retardant Co-polymer Low Density Polyethylene & Fire Retardant Polyethylene Foam			
Colour	White			
Light Transmission	<20%			
UV Stabilisation	Yes			
Noise Reduction to ISO 717-1	19dB			
Noise Reducing Barrier Rating	B1			
Thermal Resistance	0.246m2K/W			
Reinforcement Grid	10 x 12mm strong multifilament polyester (PET) grid			
Gross Weight	600g/m2			
Thickness	9.4mm			
Tensile Strength	750N/50mm			
Eyelet Type	Patented rubber eyelet system integrated into the sheet during manufacture to provide a unique high performance fixing system			
Eyelet Pull-Out Strength	1400N			
Conforms to	EN12310-2, EN12311-2, BS7955:1999, BS 8410:2007			
Fire Properties	DIN 4102-B1			

Health and Safety

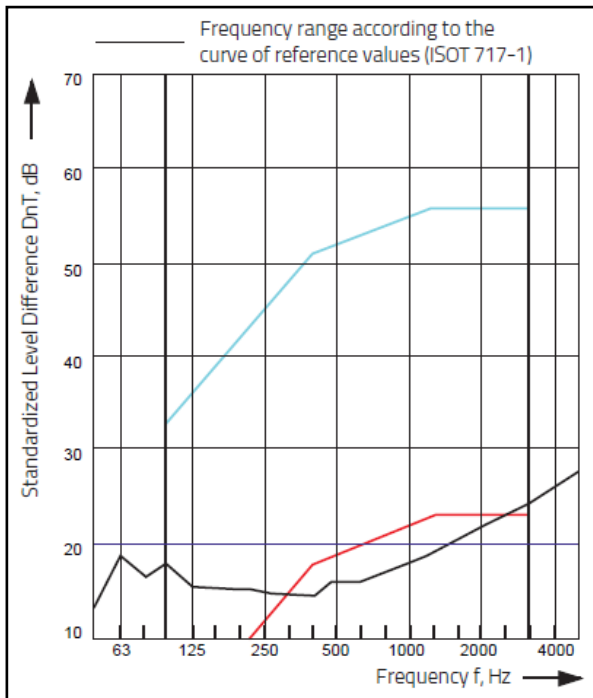
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The products consist of a reinforcing net of polyester multifilament and is laminated to a blown film of LDPE with flame retardant additives and a coating layer of LDPE with flame retardant additives. This is then welded to a HDPE wrapped PVC cord. The Monarflex standard eyelets are made from LLDPE polyethylene. The products are delivered in packs and wrapped in a clear PE foil for protection. Packs are stacked on a wooden pallet cage.

Health and safety data sheets are available for all materials. Please go to monarflex.com.au for more information.

Quality Assurance

Monarflex Monarsound FR is manufactured under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.



Source room volume: 150.00 m³
Receiving room volume V: 48.00m³

Frequency f HZ	Dn T 1/3 Octave dB
50	13.2
63	18.8
80	16.4
100	17.9
125	15.3
180	15.0
200	15.3
250	14.5
315	14.6
400	14.4
500	15.7
630	16.0
800	16.8
1000	18.1
1250	18.9
1600	20.1
2000	21.8
2500	23.0
3150	24.3
4000	25.9
5000	27.9

Rating according to ISO 717-1

$D_{nt,w}(C;C_{tr}) = 19(0;-2) \text{ dB}$

Evaluation based on field measurement results obtained in one-third-octave bands by an engineering method.

$C_{50-3150} = 0\text{dB}; C_{50-5000} = 0\text{dB}; C_{100-5000} = 0\text{dB};$
 $C_{tr,50-3150} = -2\text{dB}; C_{tr,50-5000} = -2\text{dB}; C_{tr,100-5000} = -2\text{dB};$

