



## **WILLIAM JOHNSTON & COMPANY LIMITED**

Glasgow Tel: +44 (0) 141 620 1666 | Inverness Tel: +44 (0) 1463 238 673  
[sales@williamjohnston.co.uk](mailto:sales@williamjohnston.co.uk) | [www.williamjohnston.co.uk](http://www.williamjohnston.co.uk)

### **Ultraload Fibre Reinforced Bearing Pads**

Ultraload Fibre Reinforced Load Bearing Pads are manufactured using recycled high- quality tyres resulting in an economical and environmentally friendly product. The fully vulcanised rubber has inclusion of majorly dispersed fibres creating a unique compound that exhibits outstanding strength and durability. Ultraload can withstand harsh conditions like exposure to ozone and low temperatures. This product is commonly used in construction applications, prestress concrete bridges, buildings, machinery and equipment foundations.

### **USES**

Bearing pads have a range of applications and are commonly used as handrail bearing pads, lighting standard pad seats, vibration isolation railway tie pads and in bridge bearing masonry along with other applications. If you are unsure whether this product is right for you, feel free to give us a call to discuss your requirements with one of our many experts.

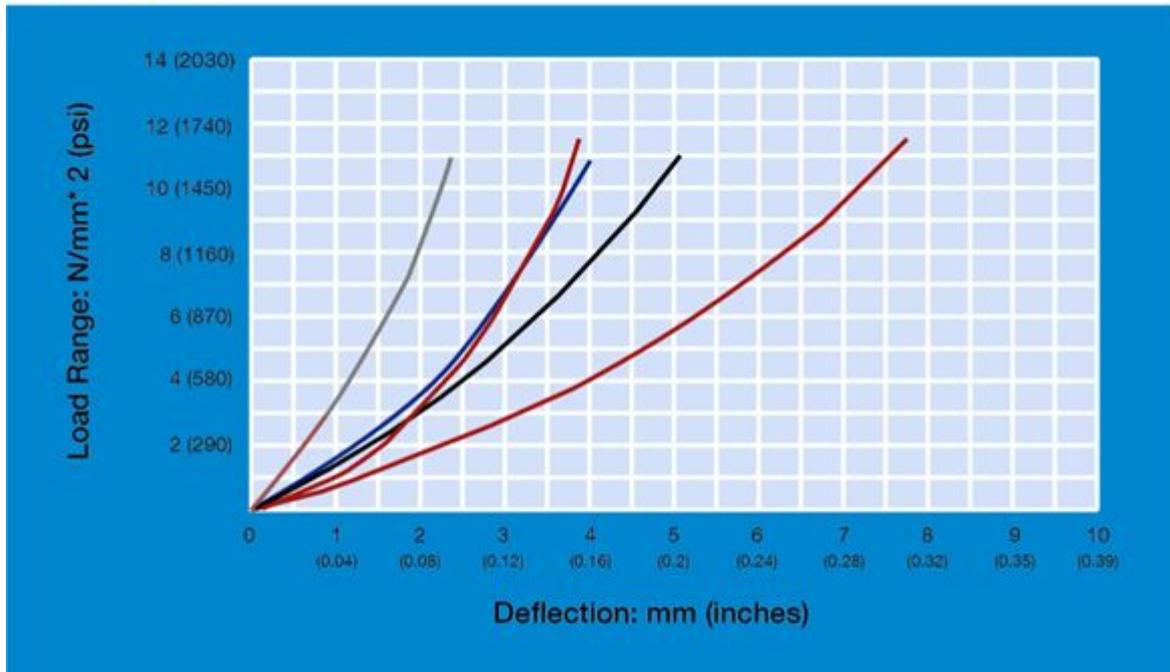
### **MATERIAL COMPOSITION**

The material is reinforced with synthetic fibre during the construction process of the sheet, increasing internal strength considerably. This unique process adds enhanced levels of tensile and compression strength, durability, tear resistance, stiffness and superior weather and ozone resistance. This could not be achieved without the fibre reinforcement.

Physical Properties	Test Method	Specification of METROLOAD Bearing Pads	
Tensile Strength, Min	ASTM D412, Die C	MD: 5.2 Mpa	MD: 754 PSI
Tear Strength, Min	ASTM D624, Die B	MD: 26.4 kN/m	MD: 150 PI M
		TD: 52.5 kN/m	TD: 300 PI
Elongation, %, Min	ASTM D412, Die C	MD:15 TD: 40	
Hardness, Shore A	ASTM D2240	80 ± 5	
Specific Gravity	ASTM D297 sec. 16.3	N/A	
Ozone Resistance	ASTM D518 "B"	Application Specific	
Low Temperature Resistance	ASTM D2137 at -40°C	Pass	
Coefficient of Friction	ASTM D1894	>0.8	
PHYSICAL PROPERTIES (HEAT AGED)	TEST METHOD ASTM D573, 70H at 70°C		
Tensile Strength, Change % Max	ASTM D412, Die C	±25	
Elongation, Change %, Max	ASTM D412, Die C	±25	
Hardness, Change Pts	Max. ASTM D2240	±10	

## LOAD DEFLECTION

### Ultraload



#### Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.