

DESCRIPTION

FC208 is a high quality cellular rubber bonded cork product, of low to medium stiffness, designed with a good static to dynamic ratio, normally supplied in a thickness of 10 to 20mm.

APPLICATION

Designed for use as a baseplate pad material, FC208 is used to reduce the transmission of vibration from the track to the concrete substrate. Where a very high level of electrical resistance is required, FC208 can be supplied integrally bonded to a highly insulating surface layer.

TYPICAL PHYSICAL PROPERTIES

Test	Method	Conditions	Data	Units
Hardness	ISO 48		35	°IRHD
Density	ISO 2781		0.62	g/cm ³
Tensile Strength	ISO 37		>1.0	MPa
Elongation at Break	ISO 37		>100	%
Electrical Resistance	BS 903 pt. C2	500v dc	>1.0 x 10 ⁸	Ω.cm
"	RT/CE/S/052	500v ac, 2000Hz		
Static Stiffness, 12mm		0.128 - 1.128 MPa	290	kN/mm/m ²
Dynamic Stiffness, 12mm		0.128 - 1.128 MPa, 2Hz	400	kN/mm/m ²

HISTORY & SERVICE

Trackelast FC208 was developed as a low stiffness baseplate pad for the Docklands Light Railway in the UK and has since been used in the Netherlands and in many other European installations.

The life expectancy is difficult to define, but under ideal operating conditions FC208 is likely to last for the life of the rail. It forms part of a range of rail products that have given long and reliable service throughout the world for up to fifty years. Maintenance is not required.

RESISTANCE TO ENVIRONMENT

Trackelast FC208 is resistant to the effects of ultraviolet radiation and moisture. It is relatively unaffected by splash contact with substances commonly encountered on rail systems, however prolonged contact or immersion in mineral oils, fuels or greases should be avoided as it will cause softening of the rubber. Exposure to acids and alkalis should be avoided.

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