

DESCRIPTION

Elastic Undersleeper pad made from a blend of polymers with a load spreading ballast protection layer on one side and a Geotextile layer on the other side to allow direct anchoring into new concrete sleepers.

APPLICATION

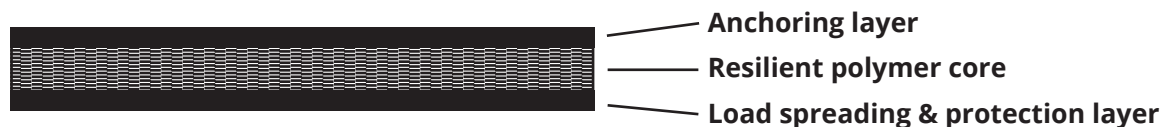
Ballasted track and/or switches, track stabilisation, track quality improvement and ballast anti-abrusion protection.

Suitable for main line applications.

TYPICAL PHYSICAL PROPERTIES

Test	Method	Conditions	Data	Units
Tensile Strength (Core Material)	ISO 37		8.0	N/mm ²
Electrical Resistance	BS903 C2	500v dc	10 ¹²	Ω.cm
Tear Strength (Geofelt Material)			70	N/mm
Pull-out Strength (Pad to Sleeper)			0.7	N/mm ²
Static Bedding Modulus, C _{stat}	prEN 16730	250 x 250 mm sample	0.311	N/mm ³
Dynamic Bedding Modulus, C _{dyn}	prEN 16730	250 x 250 mm sample, 4Hz	0.358	N/mm ³

MATERIAL



CONSTRUCTION:

Core material : FC500, nominal thickness 4.5mm
Protection layer : 1.5mm reinforced polypropylene Geofelt
Anchoring layer : 1.5mm reinforced polypropylene Geofelt

NOMINAL THICKNESS:

Approx. 7.5mm

WEIGHT:

Approx. 6.0 kg/m²

FORM OF SUPPLY:

Two half-pads per sleeper

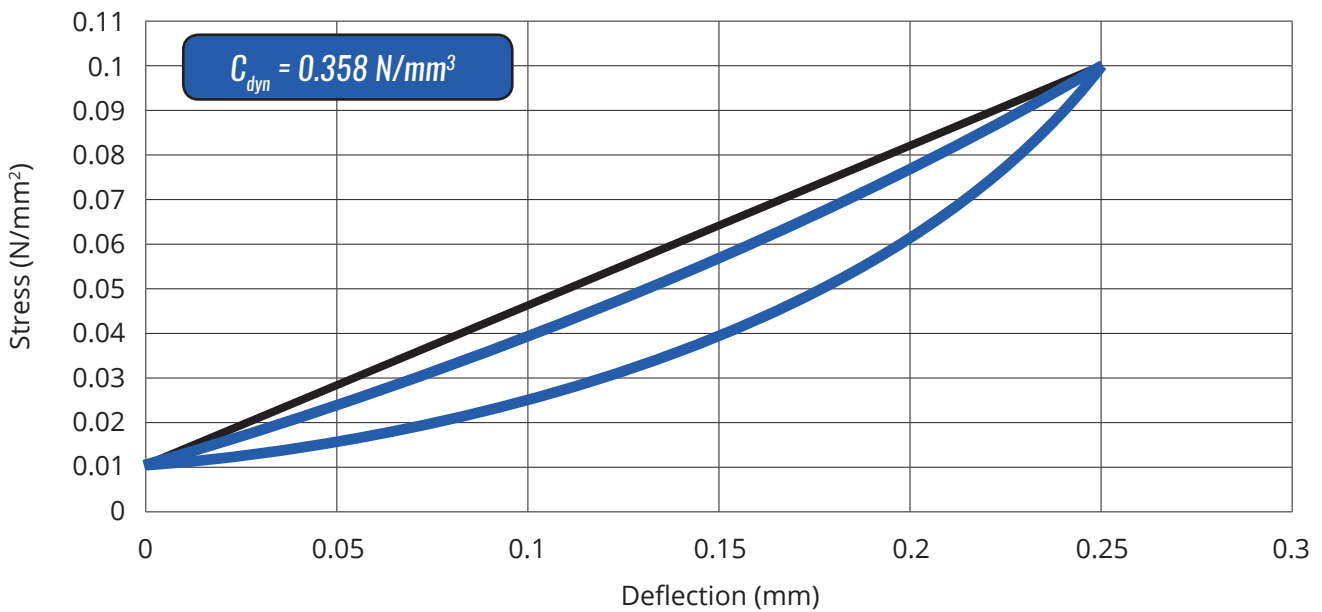
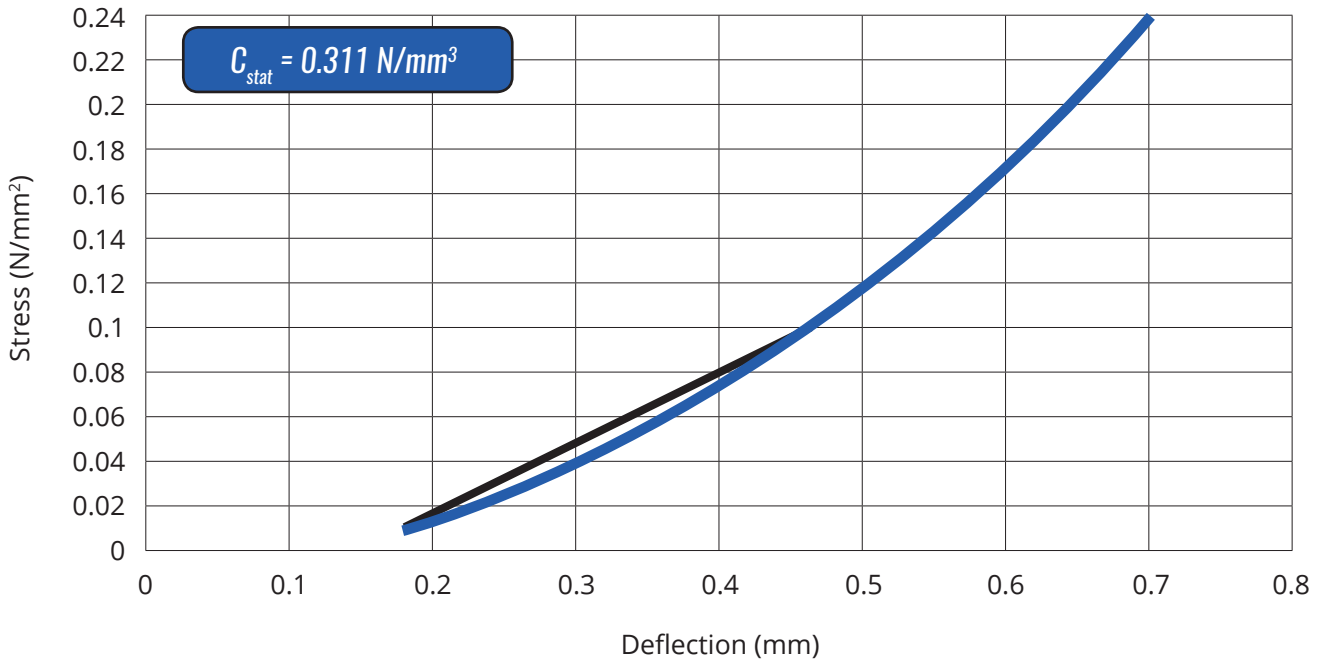
FITTING TO SLEEPER:

Full surface bonding via the anchoring layer directly into the concrete sleeper.

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LOAD/DEFLECTION CHARACTERISTICS

250 x 250 sample mounted on concrete block, tested on a ballast plate according to prEN 16730. Quoted stiffnesses are taken between 0.01 and 0.1 N/mm².



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