

### DESCRIPTION

The product has been designed to be a medium stiff 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-attrition protection.

Suitable for main line applications.

### TYPICAL PHYSICAL PROPERTIES

Test	Method	Conditions	Data	Units
Tensile Strength (Core Material)	ISO 37		8.0	N/mm <sup>2</sup>
Electrical Resistance	BS903 C2	500v dc	10 <sup>12</sup>	Ω.cm
Tear Strength (Geofelt Material)			70	N/mm
Pull-out Strength (Pad to Sleeper)			0.7	N/mm <sup>2</sup>
Static Bedding Modulus, C <sub>stat</sub>	prEN 16730	250 x 250 mm sample	0.207	N/mm <sup>3</sup>
Dynamic Bedding Modulus, C <sub>dyn</sub>	prEN 16730	250 x 250 mm sample, 4Hz	0.250	N/mm <sup>3</sup>

### MATERIAL



— Anchoring layer

— Resilient polymer core

— Load spreading & protection layer

#### CONSTRUCTION:

Core material : FC584, 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. 8.0 kg/m<sup>2</sup>

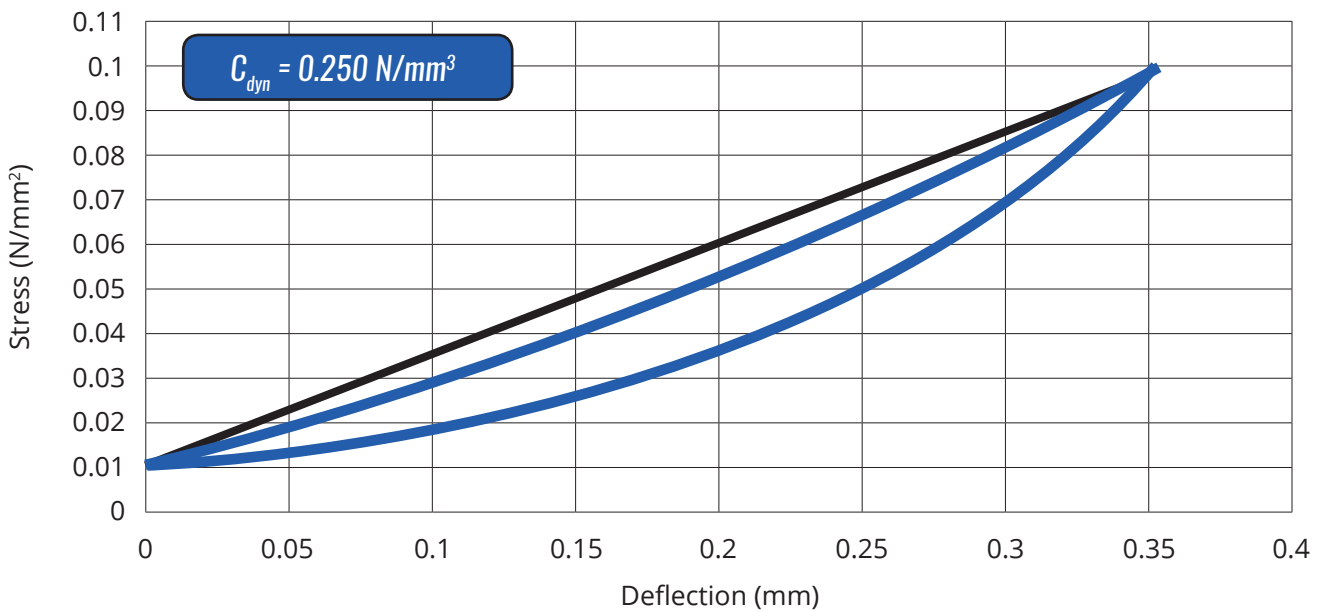
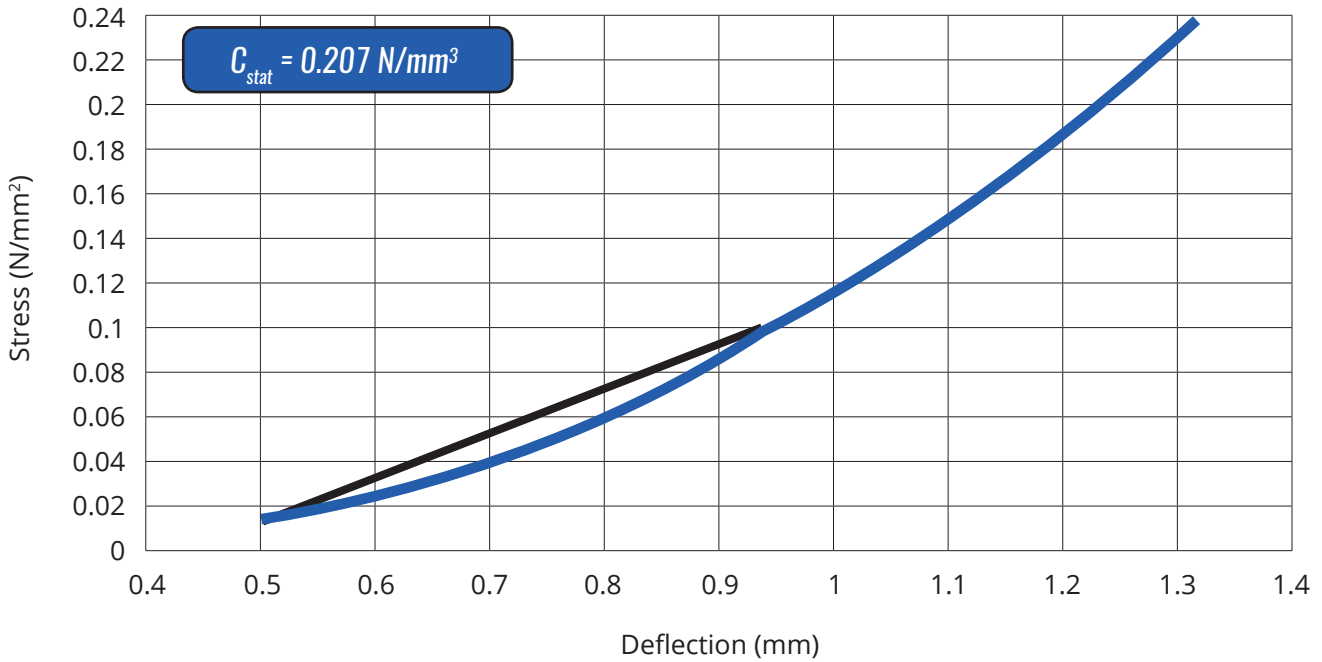
**FORM OF SUPPLY:** Two half-pads per sleeper

**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/mm<sup>2</sup>.



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