

Sicut Composite Sleepers

Turning today's waste into tomorrow's infrastructure



Sustainable and affordable track technology
Proven technology with superior performance
Manufactured using recycled materials
100% recyclable at end of life

Sicut's sustainable composite railway sleepers deliver superior performance, longer life and significantly better value.

Unipart Group Australia has teamed up with Sicut Enterprises to exclusively distribute Sicut composite railway sleepers in Australia and New Zealand.



Proven Applications



Switch & Crossing Bearers



Plain Line



Heavy Freight



Road Crossings



Closed Deck Bridges



Steel Girder Bridges



Tunnels



Tram, Metro and Subway



Slab Track



Sicut Enterprises has the exclusive global rights to unique and proven technology for converting plastic waste into high performance structural products developed by Rutgers University since 1988.



The Rutgers Technology is a unique homogenously glass fibre reinforced HDPE composite.



The first Rutgers Technology sleepers were installed in track in 1996 and are now installed in 18 countries.



Why choose Sicut?



Outstanding Value



Extremely long life (50+ years)



Impervious to moisture, insects & decay



Installs & handles like timber



Reduced noise, vibration & conductivity



Reduced mid-life maintenance



Reduced logistics costs



Reduced disposal cost



Exceptional Sustainability



Manufactured using recycled materials



100% recyclable at end of life



Reduced CO₂ footprint



Non-leaching & non-toxic



Mitigates creosote ban risks



Suitable for spot replacement



Supports corporate sustainability targets



Proven Technology



Proven in track since 1996



Two billion GT heavy haul traffic



Successfully installed worldwide



Extensively tested in the laboratory and in the track



Meets or exceeds all European and US standards



Meets all required
standards and
requirements of
Australian Railways



About Unipart Group Australia

Unipart Group Australia is part of Unipart Group a leading manufacturer, full service logistics provider and consultant in operational excellence. Operating across a range of market sectors, Unipart offers a breadth of services to a wide range of blue chip clients internationally.

Unipart Rail, a division of Unipart Group, is a leading specialist provider of technology and supply chain solutions for the rail industry; with expertise in infrastructure, signalling and traction and rolling stock products.

About Sicut Enterprises Ltd

Sicut Enterprises Limited, a UK company, is the leading supplier of recycled plastic composite railway sleepers in Europe and the exclusive worldwide license holder to a broad range of intellectual property created from the early 1990's.

It has been working closely with Rutgers University since 1996 to develop technologies to convert plastic waste into infrastructure products. All of Sicut products are made from proprietary blends of post-consumer and post-industrial plastic, and are all 100% recyclable at end of life

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