

OVERVIEW

Silca System is a structural tile and paving support grate manufactured in New Zealand from 100% recycled plastic polymers. The system converts post-consumer plastic waste into durable structural components while enabling permeable deck and patio construction.

ENVIRONMENTAL ATTRIBUTES

- Manufactured from 100% recycled plastic polymers
- Approximately 230,875 kg of plastic diverted from landfill to date
- UV stabilised for long service life in exterior environments
- Supports permeable tile and paving construction
- Allows natural drainage through the deck structure
- Manufactured in New Zealand by an ISO 9001 accredited facility



PERFORMANCE CONTRIBUTION

The finished tile/paver install methodology combined with open grate cells, allows rainwater to pass through the tiled or paved surface and replenish the earth below. This is regarded as permeable site coverage and allows level entry through threshold per Acceptable Solution E2/AS1

By converting recycled plastic into long-life structural construction components, Silca System contributes to material reuse and reduced landfill waste.

MANUFACTURING

Silca System grates and connectors are manufactured in New Zealand using recycled polymer materials.

