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EMS: environment management system

stainless steel products

ECO PREFERRED CONTENT

The stainless steel of our drum/block tables is already at least 50% recycled material. Our pieces are developed using a minimum material/maximum volume form for material efficiency. we use stainless steel in its most recyclable form, without coatings, the base material is the structure and surface: there's no extra toxic stuff mixed in (eg toxic glues, paints, pigments) so the material remains pure and uncontaminated. Maintenance involves using a non toxic spray cleaner produced locally. The stainless steel can be repeatedly repolished to prolong the life of the product.

DESIGNED FOR DISASSEMBLY

The stainless steel content in our drum/block tables is already at least 50% recycled and is 100% recyclable. Most of our products use stainless steel as a single material, making disassembly a non-issue. Our drum/block tables are the exception: the plastic glides, ldf bases and timber linings can be easily removed and separately handled.

PRODUCT STEWARDSHIP

Product can be returned to us at our workshop at the end of its lifecycle for recycling. we keep the material in it's simplest form to maximise efficiency of recycling processes. Recycling companies such as Simsmetal receive old stainless steel from us and send it for complete 100% recycling back into stainless steel. With the drum/block tables the ldf bases are removed, separately handled and biodegrade relatively fast.

WASTE MINIMISATION

Our stainless steel suppliers use computer programs to ensure efficient laser cutting patterns for all our drums. We order in medium volumes to ensure material and machine efficiencies. All offcut waste is recycled. We monitor and report waste minimisation quarterly.

ENERGY/EMISSIONS

The stainless steel producers we use for these products have optimised large production runs for efficiency. they use computer controlled production cycle times to ensure optimum timing for different gauges of product. the processes used to form the stainless steel into drum tables involve laser cutting, rolling, welding and polishing. The laser cutting and rolling processes are most energy-efficiently outsourced in large quantities while the welding and polishing we control in our workshop to ensure appropriate energy-efficiency and quality. we use inverter based welding technology for lower power consumption and energy efficiency. We monitor and report energy use/emissions in our own workshop quarterly.

MATERIALS MINIMALISATION

The maximum volume/minimum material principle behind our designs means that at the prototyping stage we refine the product weight down to its efficient optimised structural minimum. We monitor and report materials minimisation quarterly.

FREIGHT MINIMISATION

These products are designed and manufactured locally in Sydney for the local market. Much more freight energy efficient than anything imported.

designed and manufactured in australia.

local products support energy efficient agendas by radically reducing freight carbon footprint.

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