

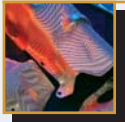
AUTOMOTIVE RADIATORS

SMITHS

Applications: Nissan and other OEM's
Markets: Export and local
Benefits: Lightweight, corrosion resistant and brazing properties

Aluminium content:
Header & side supports: Core alloy 3003/Clad alloy 4343 at 1,6mm/1,2mm gauge
 3003/4343 at 0,32mm gauge (supplied by AllTube, Pietermaritzburg)

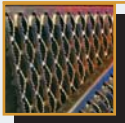
Fin material: 3003 fin at 0,1mm gauge
Manufactured by: Smiths Manufacturing
Tel: 031 719 4151
website: www.smiths.co.za



HEAT SHIELDS

FELTEX
RIETER

Applications: All major OEMs'
Markets: Export and local
Benefits: Lightweight; Recyclable
Aluminium content:
Alloy/temper: Mainly 1050 5xxx / 3xxx
Products: Coil
Manufactured by: Rieter Feltex Automotive
Tel: 012 564 4704
e-mail: gmf@feltex.co.za
website: www.feltex.co.za



WALKWAYS

Applications: I.S.O.Tank Containers; Road Tankers; Auger Bulkers; Car Carriers and 4x4 applications
Mass: Approx. 5kg/running metre
Markets: Local and export
Benefits: Light; Corrosion resistant; Strong
Aluminium content:
Alloy/temper: 5042 - 0
Gauge: 3mm
Products: Coil and sheet
Manufactured by: Onvlee Engineering
 Tel: 041 451 3527



GROWTH OF ALUMINIUM

Aluminium Builds Better Vehicles

Aluminium builds better vehicles - bar none. That's why top performers like Ferrari, Jaguar and Audi all rely on it. All other factors equal, vehicles made lighter with aluminium can accelerate quicker and require shorter stopping distances than heavier vehicles. Aluminium also delivers improved stability and turning response, while reducing vehicle noise, vibration and harshness.

Aluminium can be used to replace steel and iron for various parts in vehicles, in all cases with significant weight savings - up to 55% compared to an equivalent steel structure, while matching or exceeding crashworthiness standards of similarly sized steel structures. And the substitution is made without any loss of performance.

The growing use of aluminium in automotive and transport applications is complemented by a huge variety of aluminium components. Combined with intelligent design and optimum alloy selection, aluminium can more than meet the specific demands of a variety of components in vehicles. It offers a wide number of properties that can be used in different ways such as:

- High strength
- High thermal conductivity
- Low density
- Good formability
- Excellent corrosion resistance

The combination of these properties gives the manufacturer the potential for weight, size and cost reduction as well as improved heat transfer performance. These improvements can also be linked to environmental benefits.

Aluminium is helping vehicle manufacturers produce an exciting new generation of vehicles that promise to be even safer, higher performing, more fuel-efficient and friendlier to our planet.

Want to know more? If so, contact our transport team at:

Hulett Aluminium
 Tel: 011 453 1070
 e-mail: sheetandplate@hulamin.co.za
 website: www.hulettaluminium.co.za

ALUMINIUM

Transport Components



Hulett Aluminium



UTILITY BOX

Applications: All major P&A's, Fitment Centres and Retail
Mass: 18,4kg
Markets: Local
Benefits: Lightweight, stylish, can be used as a cooler box
Aluminium content:
Alloy/temper: 3003
Gauge: 1,47mm
Products: TreadBright
Manufactured by: Excalibur Vehicle Accessories
Tel: 011 473 2396
e-mail: sales@excalibur.argent.co.za
website: www.excaliburacc.co.za



AUTOMOTIVE RADIATORS

Applications: DaimlerChrysler and other OEM's
Markets: Export and local
Benefits: Lightweight, corrosion resistant and brazing properties
Aluminium content:
 Header & side supports: Core alloy 3003/Clad alloy 4343 at 1,6mm/1,2mm gauge
 Tubes: 3003/4343 at 0,35mm gauge (supplied by AllTube, Pietermaritzburg)
 Fin material: 3003 fin at 0,1mm gauge
Manufactured by: Behr Engine Cooling
Tel: 031 719 7600
website: www.behrgroup.com



HEAT SHIELDS

Applications: Automotive Heatshields & brackets
Markets: Export & local
Benefits: Light weight, rigid, highly thermally efficient, fully recyclable, good formability characteristics.
Aluminium content:
Alloy: Either grade 1050 or grade 5182
Gauge: Variants from 0.5mm to 2,5mm available, dependant on requirements
Products: Coils
Manufactured by: Croatia High Precision Engineering
Tel: 012 541 5052/3
e-mail: croeng@netactive.co.za



HEAT SHIELDS

Application: All OEM's
Markets: Local and Export
Benefits: Lightweight, corrosion resistant, formability properties
Aluminium content:
Alloy: 1050
Gauge: 0.22mm - 0.5mm
Products: Coils
Manufactured by: Carcoustics South Africa
Tel: 043 736 3141
e-mail: ksobirey@carcoustics.com
website: www.carcoustics.com



FUEL TANKS

Applications: DAF, Peterbilt, Volvo, Tyco; International
 Can produce tanks for any make of vehicle
Mass: Approx. 30kg each
Markets: Local OEM's and aftermarket specialists
Capacity: Square: 350 litres
 Round: 440 litres
Benefits: Lightweight; Ease of fabrication; Strong; Durable; Non-flammable.
Aluminium content:
Alloy/temper: 5052 - H32 (AlMg2.5)
Gauge: 3mm
Products: Flat sheet
Manufactured by: Multi Tanks International
Tel: 011 665 3022
e-mail: Johnlee@lantic.co.za
website: www.mtanks.com



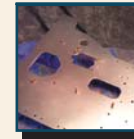
TREADPLATE MUDGUARD

Application: Tanker, interlinks and truck body mudguards
Mass: Approx. 7.2kg per individual unit for single wheel
Markets: All truck and trailer manufacturers
Benefits: Lightweight, durable, corrosion resistant, strong, aesthetically pleasing, slip resistant
Aluminium content: 100%
Alloy/temper: 1200 H14
Gauge: 1,5mm
Products: Treadplate
Manufactured by: Gammid
Tel: 011 864 7610
e-mail: chris@gammid.co.za



PUNCHED WALKWAY

Application: Tanker, interlinks and truck bodies
Mass: Approx. 5.2kg/sqm
Markets: All truck and trailer manufacturers
Benefits: Lightweight, durable, corrosion resistant, strong, aesthetically pleasing, slip resistant
Aluminium content: 100%
Alloy/temper: 1200 H14
Gauge: 2mm
Products: Sheet
Manufactured by: Tankquip
Tel: 011 864 5228



FIREWALLS

Application: Freightliner, USA
Mass: Approx. 10kg per set
Markets: Export
Benefits: Insulation; Fire resistant; Lightweight
Aluminium content:
Alloy/temper: 5052 - H32
Gauge: 6.35mm
Products: Plate
Manufactured by: Comau SA Press Tools & Parts
Tel: 041 995 3600
e-mail: terry.taylor@comau.co.za



HEAT SHIELDS

Application: All major OEM's
Markets: Export and local
Benefits: Lightweight, rigid, highly thermally efficient, fully recyclable, good formability characteristics
Aluminium content:
Alloy: Either 1050 or 3105
Gauge: From 0.125mm to 1.2mm depending on requirements
Products: Coils
Manufactured by: Federal Mogul
Tel: 041 404 4200
e-mail: wayne.hiscox@federalmogul.com
website: www.federal-mogul.com

