

Resource Guide

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Roocycle Roocycle RP - Recycled Plastic Sheet



Large standard range • Custom work is welcomed



12004
Moodie Roocycle RP Smile Lid



12339
Moodie Roocycle RP Flat Top
120L Litter Receptacle



17318
Moodie Roocycle RP
Rectangular Planter



17328
Moodie Roocycle RP
Square Planter



18088
Moodie Roocycle RP Cow
Setting for Preschoolers



19269
Moodie Roocycle RP Worm
Bench All Legs 1200 Modules



19272
Moodie Roocycle RP Bench on
Double Olympic Bases



19274
Moodie Flower Bench 300 dia



25892
Moodie Roocycle RP Edging
with Pegs



25895
Moodie Roocycle RP Edging
with highlights



30007
Moodie Roocycle RP TruckMate



30025
Moodie Roocycle RP Play
Setting

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30037
Moodie Roocycle RP
Castlerama



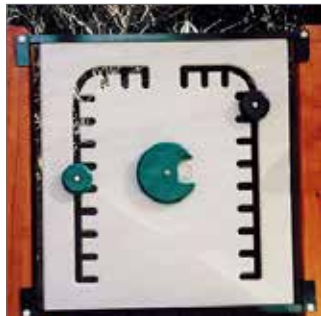
30040
Moodie Roocycle RP Flower
Shop



30056
Moodie Roocycle RP Triple
Racers



30060
Moodie Roocycle RP Flower
Roof



30061
Moodie Roocycle RP In & Out
Racers



30063
Moodie Roocycle RP 4-way
Spring Rider



30064
Moodie Roocycle RP Flower
Roof



30066
Moodie Roocycle RP Wide
Slide with Tunnel Highlights



30067
Moodie Roocycle RP Abseiling
Wall



30069
Moodie Roocycle RP Tree Racer



30070
Moodie Roocycle RP Ardo
Cubby



30075
Moodie Roocycle RP Abseiling
Ramp

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Roocycle Roocycle RP - Recycled Plastic Sheet



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30078
Moodie Roocycle RP Spring
Rider Flower



30082
Moodie Roocycle RP Flower
Tube Slide



30084
Moodie Roocycle RP Flower
Bridge



30089
Moodie Roocycle RP Ramp
Upgrade



30144
Moodie Roocycle RP Club
Custom Built



30161
Moodie Roocycle RP RTA
Buladelah



30166
Moodie Roocycle RP BOY
Image Panel



30167
Moodie Roocycle RP Multi
Image Panel



30171
Moodie Roocycle RP Sign -
Fitness for Wheelchairs



30187
Moodie Roocycle RP Wheat/
Wool Truck with Slide



30190
Moodie Roocycle RP Mini Drive
Triple Road Train



35001
Moodie Roocycle RP Signs

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PRODUCT DETAILS

- Thickness (mm) 8 10 12 15 19 22 25 32
- Weight per Panel (kg) 17 21 25 32 40 46 53 67

COLOURS

- Black, Green, grey, white, beige, yellow: Other colours can be manufactured to specific order.

EDGE DETAIL

- Square Edge: Other edge profiles (ship lap, bevel, tongue and groove) can be manufactured to specific order.

MANUFACTURING TOLERANCE

- Length + 1.5mm, - 1.5mm
- Width + 1.5mm, - 1.5mm
- Thickness 4%,
- Diagonal .02%,

PACKAGING

- Panels are packed face downwards, strapped to pallets and the whole pack shrinkwrapped in clear film. The nominal weight of each pack is approximately 1000kgs

PAINTING

- Roocycle RP Sheet can be painted. Please contact us for further information.

ACOUSTIC PERFORMANCE

- Roocycle RP Sheet 25mm thick panels have an S.T.C. rating of 31dB when tested in accordance with AS 1276 - 1979 by C.S.I.R.O., making them excellent as a sound isolator. The table below gives the airborne transmission loss results rounded to the nearest decibel for the common frequencies.

Frequency (Hz)	125	250	500	1000	2000	4000
TL (dB)	21	25	28	32	31	39

- Roocycle RP Sheet panels are not efficient sound absorbers and are similar to brick or concrete in that aspect. Copies of full test results are available.

PHYSICAL PROPERTIES

Tested at 200C	HDPE	PP
Compressive strength	25MPa	25MPa
Density	665 kg/m ³	685 kg/m ³
Flash point	>320°C	>320°C
Impact strength	8 J/m ²	4 J/m ²
Melting point	107°C-130°C	107°C-130°C
Modulus of elasticity g;	1000MPa	2200Mpa
Modulus of rupture	20MPa	30Mpa
Moisture thickness swell	0.05% (7days)	0.05% (7days)
Screw holding - face	1570N	1570N
Screw holding - end	1330N	1330N
Tensile Strength	30MPa	35MPa
Thermal conductivity	0.4 W/m.K	0.3 W/m.K
Thermal expansion	0.31% (15-30°C)	0.31% (15-30°C)