Robinia story

3200 SERIES – FOLK TALES

GENERAL SPECIFICATIONS

ITEM	NAME	MATERIAL	FINISH	SIZE
A	Post	Post - Timber	Tri-Shield	Φ120-150mm
B	Frames	Timber - Robinia Hardwood	Tri-Shield	Φ150-180mm
C	Deck + Stair	Timber - Robinia Hardwood	Tri-Shield	Φ25-35mm
D	Rope	Hercules Rope	Natural	18mm
E	Roof Type 1	Timber - Robinia Hardwood	Tri-Shield	
F	Slide	Stainless Steel	Brushed	
G	Leaf	HDPE Panel	Natural	10mm

CRS creative RECREATION SOLUTIONS

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Material Specifications

1a. Post - Aluminium

High intensity aluminum tube, finished with polyester powder coating.
Sizes: Ø114mm x 3.2mm and Ø76mm x 3.2mm

1b. Post - Steel

Galvanised steel tube, finished with polyester powder coating.
Sizes: Ø114mm x 2.5mm and Ø76.3mm x 2.5mm

1c. Post - Timber

Sustainably sourced, laminated hard wood, finished with Intergrain Tri-Shield protection system.
Sizes: Square 120mm x 120mm, round Ø120mm and Ø150mm

2. Post Caps – For Metal Posts

Injection molded low density polyethylene with UV stabilisers.

3a. Tube - Aluminium

High intensity aluminum tube Ø33.2mm x 2.5mm, finished with polyester powder coating.

3b. Tube - Steel

Galvanised steel tube, finished with polyester powder coating.
Sizes: Ø33.2mm x 2.5mm, Ø43.2mm x 2.5mm, Ø48.5mm x 2.5mm, Ø76.3mm x 2.5mm

3. Die Cast Clamp

Die cast from high strength 380 aluminum alloy, finished with polyester powder coating.

4. Deck and Stairs - Steel

Steel deck and stairs are fabricated from 12 gauge perforated hot-rolled steel into a single unitized deck. Decks are Electro-galvanized coated and UV stabilized PVC coated after fabrication. Coating thickness of 2.5mm {±0.2mm}.

5. HDPE Sheet

HDPE parts are machined from co-extruded, stress-relieved, UV stabilized high-density polyethylene sheet. The sheet meets relative density ASTM-D-1505, tensile strength ASTM-D-636. Patterns and shapes are created with a CnC Router.

6. Timber – Tropical Hardwood

Sustainably sourced (Certified) tropical hard wood (with no preservative). Timber is finished with Integrain Tri-Shield 3 stage, environmentally friendly water based wood finish. There are no toxic emissions from biocides, heavy metals or petrochemical solvents. If this finish is to be maintained, the coating will need to be reapplied every 2 to 3 years. If left unsealed the timber will turn grey and age naturally. We only use pecies of timber that will last unsealed for at least 15 to 20 years above ground.

7. Timber – Robinia Hardwood

Sustainably sourced (Certified) Robinia hard wood (with no preservative). Timber is finished with Integrain Tri-Shield 3 stage, environmentally friendly water based wood finish. There are no toxic emissions from biocides, heavy metals or petrochemical solvents. If this finish is to be maintained, the coating will need to be reapplied every 2 to 3 years. If left unsealed the timber will turn grey and age naturally. We only use pecies of timber that will last unsealed for at least 40 to 50 years above ground.

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8. Recycled Plastic - Panel

23mm x 90mm recycled plastic composite lumber assembled to create a range of activities and safety panels

9. Recycled Plastic - Tread

23mm x 90mm recycled plastic composite lumber assembled to create a range of activities and safety panels

10. HPL - Sheet

High Pressure Laminate (HPL) is made from UV stable compressed phenolic resin.

11. Rotationally Molded LLDPE

Rotational molding refers to the method of manufacturing a hollow plastic product. This method is used to reduce weight and cost. Parts are molded from color-compounded, first quality, linear low density polyethylene with ultraviolet stabilisers. Average wall thickness is 5.8mm and complies with ASTM-D-638 (Tensile Strength), ASTM-D-790 (Flexural Modules of Elasticity), ASTM-D-648 (Heat Distortion Temperature), D-2565(Ultraviolet), and D-1505 (Density).

12. Hercules Rope

Hercules rope is manufactured from steel reinforced polyamide nylon strands.

13. Chain – Stainless Steel

6mm diameter short link stainless steel chain SUS304.

14. Totter Spring

Formed and hardened spring steel, zinc plated and powder-coated. The ground anchor is fabricated from hot-dip galvanised steel bar.

15. Hardware

Bolts, Nuts, Screws, Washers and other hardware used in the assembly of activities are metric stainless steel (SUS300 Series). Where required Torx© head machine screws are used to help prevent vandalism. All machine screws are supplied pre-dipped in thread locker to prevent loosening from vibration.

16. PVC Coating

PVC (Polyvinyl Chloride Coating) is applied to deck and chains. It is highly anti-corrosive, weather resistant, and adds grip to surfaces. All PVC coatings comply with the US Consumer Products Safety Act and contain less than 0.009% lead.

17. Polyester Powder Coating

Polyester Powder coating is electro statically applied at average thickness of 80µm. Polyester powder coating produces a coloured hard, smooth surface, which is resistant to abrasion, corrosion and mechanical damage. All weld joints are thoroughly hand finished and cleaned to remove all slag and spatter prior to coating.

18. Anchoring

All products can be either mounted in-ground or anchored directly to a concrete or asphalt surface with optional footing kit.

Specifications were accurate at the time of printing, however, due to our commitment to product improvement, innovation, value, and safety, these specifications can change without any notification.

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