



42250 SELÇUKLU/KONYA

FOREST YN-202 GAME GROUP TECHNICAL SPECIFICATION

GENERAL CHARACTERISTICS OF THE WOOD TO BE USED

- * The wood to be used for manufacturing is an industrial wood product obtained from a tree called birch-derived solid panel, which is obtained by cross-linking by gluing with phenol resin.
- * Plywood made of birch wood is a long-lasting material suitable for outdoor use, resistant to contact with water. Its production is carried out in CE EN 13986 quality standards. The material density is around 680-700 kg/m³. It is also known as Water Contrast due to the WBP glue used in its production.
- * Wood sections, maximum (\pm) 5 mm according to the project. tolerantly, the maximum length of wood is (\pm) 20 mm. it will be manufactured with tolerance.
- All fixed connections will be made with the help of stainless wood screws or galvanized bolts. All metal connections and bolts used in the system are mounted by countersinking (embedding) to the surface. The bolts will be closed with polyethylene caps shaped by injection method in order to protect them from external factors.

All children's playgroups will comply with the general safety rules related to "TS EN 1176" Play elements



CARRIER CONSTRUCTION

The carriers are min. 90x90 lengths with dimensions suitable for construction (\pm) 10 mm in size. If additions are made to the standard length, they will be made with connection elements in accordance with TSE standards. The sharp corners on the slats used in the carrier construction will be softened and the surfaces will be subjected to sanding treatment in order to be free from roughness.

Defect: Bruised disabled, partially boiled and fallen splinter will not be found.

Crack: There will be no ring crack. Capillary cracks may be found (1-2 mm).

Resin pouch: Its length does not exceed 10 cm and 1 piece can be found in each meter. There will be no dripping, attracting resin. The inner shell will not be found. There will be no rotten holes. There will be no insect holes. There are no manufacturing defects and there may only be deviations within the specified tolerances.

Bending: The part will not exceed 1/50 of its height. The multiplications shall not exceed 1/100 of the track width.

Torsion: It shall not exceed 2 mm in each meter length. Leaning on your sword: The piece will be tolerated between 1/50 and 1/100 of its Decile length.

Sanding: All visible surfaces will be sanded and cleaned of splinters.

All fixed connections will be made with the help of stainless wood screws or galvanized bolts. All metal connections and bolts used in the system are mounted by countersinking (embedding) to the surface. The bolts will be closed with polyethylene caps shaped by injection method in order to protect them from external factors.

Wooden children's playgroup anchors will be manufactured by combining flanges made of minimum 4mm sheet metal with welding method in such a way as to wrap the minimum two sides of the strut.

In addition, all the general properties of timber listed in the introductory part of the specification will be provided in the load-bearing construction.

FASTENERS

- * The carrier platform and railing connections will be provided with minimum 8 mm thick rods and galvanized bolts with lathed filled iron.**

- * The carrier platform and guardrail connections must be wound in such a way that there is no gap between the Decking and the pipes forming the carrier construction.**

- * The protrusion of the connections and apparatus from the main construction shall be 16 mm in order to protect the health of the child. The protrusions of all bolts and nuts used in the system will be a maximum of 3 mm. These points will be closed with plastic covers.**

- * Coloring of connection materials made by injection method will comply with child health and food regulations**

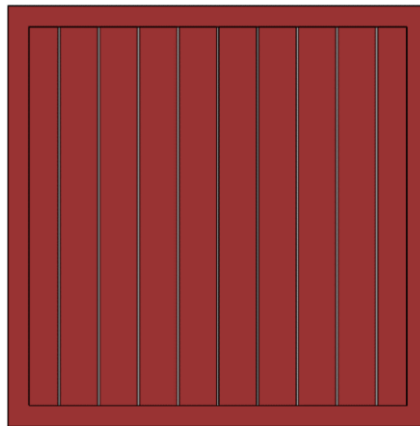
- All game groups will meet the requirements of TSE 1176.**

PLATFORM

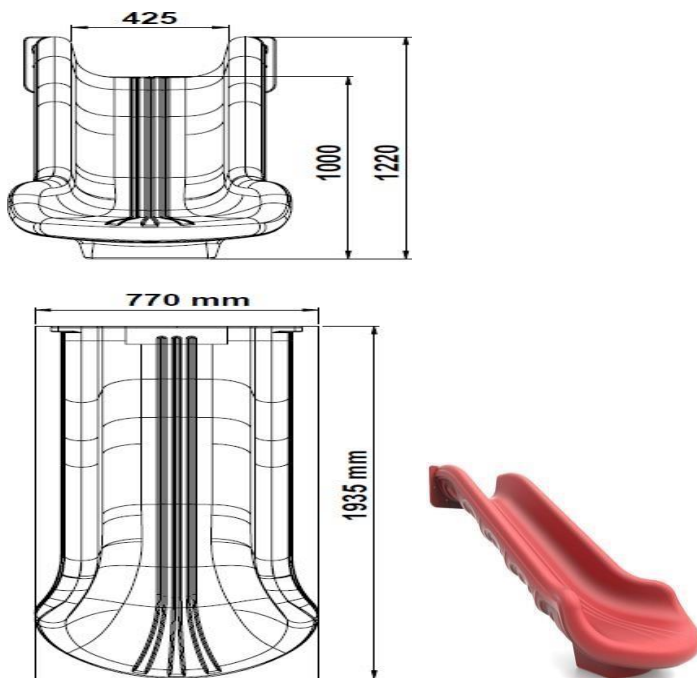
Platforms will be created with the juxtaposition of lats that change according to the platform model. According to the platform model of these lats, the minimum 40x90mm from the underside. the lats in their sizes will be fixed to at least 2 pieces for support purposes.

Platform connections and shapes shall be in accordance with TS EN 1176-1 general safety rules.

The corners of the platforms will be manufactured in such a way that there will be no openings to wrap the main carrier construction.



H100 FLAT SLIDE



100 cm. on FLAT slides connected to the platform at its height; the angle of inclination of the sliding section with the bed will be manufactured as a double-walled and single piece, so that the maximum 40° is measured according to the height axis of the slide.

- **The height of the side parts of the entrance section of the flat slide shall be at least 20 cm. The width of the sliding section of the Flat Slide will be at least 40 cm.**
- **The width of the exit section of the flat slide will be at least 75 cm, the exit radius will be at least 50 mm.**
- **The exit section of the slide will be concreted by embedding into the ground with an anchor.**
- * **The slides will be manufactured with rotation technology from powdered self-colored LLDPE raw material. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.**
- **TS EN 1176-3 / 04.02.2010 It is mandatory to have the expression 'FLAT SLIDE' within the Scope of the Document**

*** Weight Min.25 KG**

roof

The roof will be made according to the design from the birch plates mentioned above. It will be in TSE standards and will be produced and assembled in parts. It is formed by connecting 6 mm leaf patterns processed on the router machine on top of the 12 mm main plate processed on the router machine.

The roof will be applied in accordance with the technical drawing overlaid on each other..

The wood to be used on the roof will be made in accordance with the colors as indicated in the picture and technical drawing of the playset.

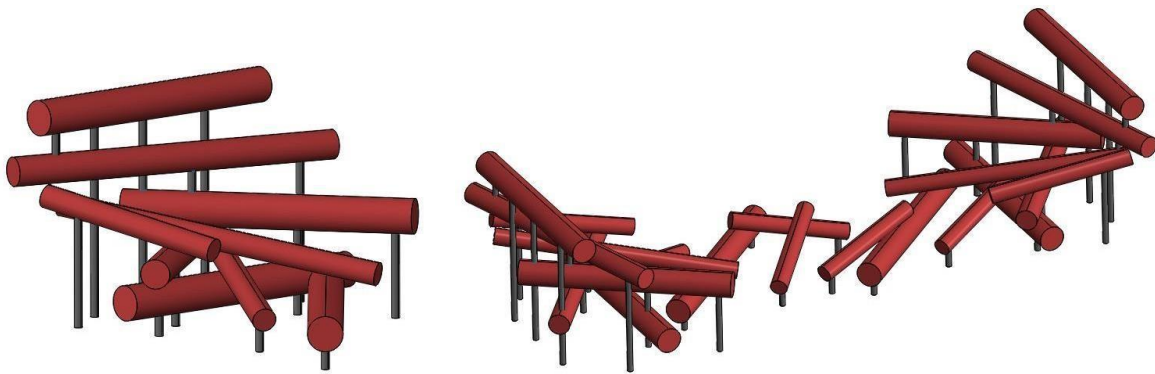


WOOD CLIMBING

The wood to be used will be turned yellow pine, which will be created using the lamination technique. Wood sections, minimum dimensions are given in accordance with the project. Maximum dimensions have been released. The maximum size limit will not be more than TSE standards. The minimum log diameter will be torched to be 10 cm.

Sanding: All visible surfaces will be sanded and cleaned of splinters.

All fixed connections will be made with the help of stainless wood screws or galvanized bolts. All metal connections and bolts used in the system are mounted by countersinking (embedding) to the surface. The bolts will be closed with polyethylene caps shaped by injection method in order to protect them from external factors.

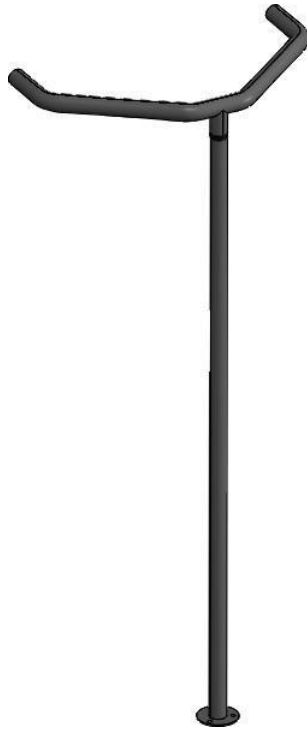


FIRE ENGINE PIPE

- * The fire fighting pipe will be produced with a combination of pipes with a minimum wall thickness of Ø32 mm and 2 mm.**

- * The fire pipe should be rinsed by leaving it in a 5% concentration degreasing bath at 70 °c for 10 minutes. After rinsing, metals washed with hulasa with a special alloy detergent with phosphate coating property should be subjected to sandblasting process, then polyester-based static powder coating process should be performed and baked in a 200 °C oven for 20 minutes.**

- it will be in such a way that the landing will be made from the tower at a height of 100 cm.**



ROPE BRIDGE

- Fiber will be formed by combining ropes made of concise material with connecting elements.

- * Production will be in TSE standards according to the technical drawing.

- * The diameter of 12 cm will be formed by connecting turned and laminated yellow pine wood to ropes as steps.

Ø 16 MM STEEL ROPE

Steel ropes used in children's playgroups and side elements will comply with TS EN 1176-11 standards.

- * Steel Rope Ø 16 mm. It will be in diameter.

- Each rope will consist of 7 steel rope helices consisting of 6 steel threads around the center made of polyamide raw material fiber.

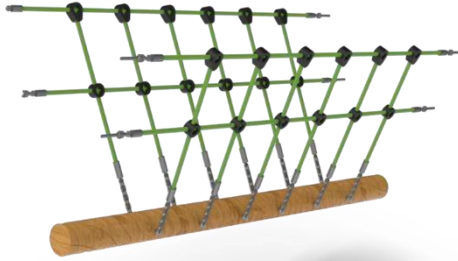
- * Steel core polyamide rope will consist of 42 reinforced steel ropes in total.

- The outside of the rope should be knitted with polyamide ropes.

- * The breaking load of the rope is min. 4400 kg. should be.

- * Positive PAH test in accordance with the AFPs GS 2014: 1 norm for drawstring materials, the Turkish Test Report must have been obtained from a laboratory approved by the Turkish Accreditation Agency.

ALUMINUM CONNECTIONS



- * Stainless steel U bolt and eye bolt and similar stainless steel elements should be used inside the ropes, aluminum fittings that are pressed into the body or fixed with screws.
- * Aluminum fixing elements that can be pressed or connected with screws should be used in the connections of the ropes to each other.



- PLASTIC CONNECTIONS

- * Plastic fittings should be used at the junction of the ropes and on the bolt housing covers.
- * Plastic fasteners should be produced by injection technique from PA6 material.



YN-201 GAME GROUP PARK INSTALLATION AREA AND TOWER HEIGHTS

