

<b>Contract Name/Number</b> Hemsworth Playing Fields Hemsworth	<b>Contractor:</b> AstroSport Ltd
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**Description of work:** Installation of synthetic grass

Risk Assessment Req.	Ref.	COSHH Assessment Req.	Ref.
Use of Hand Tools	RA1	Hardener Additive	001
Protection to 3 <sup>rd</sup> Parties	RA2	Multi Purpose Adhesive	002
Manual Handling	RA3	Conipur 63 L 5015	003
Use of Portable Electrical Equipment	RA4	Conipur 63 L	004
Working in Remote Areas/Alone	RA5	Petroleum Spirit	005
Dust	RA6	Diesel Fuel/Gas Oil	006
Substances Hazardous to Health	RA7	Mineral Oil	007
Vermin	RA8	Sand (Soft/Sharp)	008
Disposal of Waste Materials	RA9	MiSport Rubber Granules	009
Work on Occupied Sites	RA10		
Preventing Slip/Trips/Falls	RA11		
Spreading and Distribution Machine	RA12		
Use of Skid Steer with Attachment	RA13		
Use of Telescopic Handler	RA14		
Public Safety	RA15		
Transport Safety on Site	RA16		

**Note:** Risk/COSHH Assessments are to be read prior to signature of Method Statement by all operatives.

<b>Equipment Required:</b> Hand Tools Sandmaster infill spreading and distributing machine Telescopic Handler	Skidsteer Dumper (1T)
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**Training Requirements:**

All operatives to hold current and valid certification for all works carried out.

**PPE:**

At all times while working on a clients premises and in accordance with Company Policy all personnel will wear Personnel Protective Equipment (PPE) as required: Safety boots, coveralls, high visibility coat / vest. Other items of PPE must also be worn according to tasks being carried out and as identified by Risk Assessment and COSHH Assessment.

**Access/Egress:**

Personnel are to use specified pedestrian walkways and driveways when on clients premises and they are to maintain these free from obstruction at all times.

**Method of work:**

Prior to works commencing all personnel will report for induction and ensure they abide by the Client's rules and work in a safe, courteous manner at all times.

The main contractor for this contract is providing trained first aiders and first aid facilities.

Operatives shall be aware at all times of the presence of other vehicles, personnel, 3<sup>rd</sup> parties and other works being carried out in the vicinity of the works. Operators will cease work where necessary until it is safe to continue with there work.

Operatives will visually inspect all plant and equipment before each use to ensure that it is in good working condition and safe operation. Any faults found shall be rectified by a competent person before use or taken off site and replaced.

Operatives must ensure that a fully operational amber flashing beacon is used at all times on all the plant that is used.

The synthetic grass is delivered to site by lorry and unloaded either by a carpet boom or off loader supplied with the delivery vehicle or by forklift and placed on the area to be installed.

The forklift will be operated only by authorised and competent individuals holding current and valid training certification.

Each roll is numbered according to the layout plan provided by the manufacturer and is placed on the pitch area in the correct position ready for installation, thereby eliminating double handling.

Each individual roll is unwrapped and rolled out manually by 2 persons. Where the rolls do not unroll easily, a tractor or similar operated by a trained person will be used to pull the roll using a purpose designed attachment.

The rolls will then be trimmed to size using a retractable blade Stanley knife or disc cutter.

Each edge of every roll of synthetic grass is trimmed using a carpet cutting bladed knife to form a seam that can be jointed.

Two trimmed seams that form a joint are folded back and backing tape is placed equidistant between each edge of the synthetic grass through a glue trough applicator.

Two part adhesive is mixed with a 110v electrically powered mixing paddle and poured into the glue trough covering the backing tape. Persons carrying out this operation will wear impervious gloves, long sleeves and goggles and have been issued with the relevant

COSHH assessments.

One end of the backing tape is anchored at the start of the new joint and the glue trough is pulled away so that the backing tape is coated with an even application of adhesive as it leaves the adhesive trough.

Both edges of the synthetic grass are folded back onto the wet adhesive and positioned to form the joint. Weight is applied to the new joint either by rolling with a carpet roller or by treading.

The treading or rolling is repeated periodically the timing of which is dependent on the climatic conditions. This is continued until the adhesive has “grabbed” and the bond between adhesive and synthetic grass is achieved. This process is repeated until all the rolls of synthetic grass have been installed.

If inlaid line markings are to be installed a specialised line marking cutter is used to cut through the synthetic grass to the required width. To form the new line, a different coloured section of synthetic grass is installed to the exposed area using the same method that is used to joint the synthetic grass joints.

The sand infill will be delivered to site loose. The sand is tipped adjacent to the working area and loaded into a top dressing machine with a bobcat skid steer machine operated by a trained person.

The loaded hopper is manoeuvred into position over the synthetic grass and driven along the playing area with the sand infill pushed out of the front of the top dresser. The rate of flow of the sand is dependent on the rate of infill. This operation is repeated until all the sand infill has been applied to the correct infill requirements.

If rubber particles are to be applied over the sand infill the same operation is adopted used for the application of the sand infill.

Once all infill material has been applied the surface is brushed with static or oscillating drag brushes attached to the top dressing machine or towed behind a tractor unit. The brushing operation is repeated until the infill material has reached the optimum level.

On completion of the installation all debris and waste material is removed from site and the synthetic grass surfacing grass is checked for integrity and any foreign objects that may have got onto the area during the installation process.

#### **Environmental Considerations.**

Substances used on site to be stored in manner to contain any spillages. All static plant to have drip trays placed beneath. Emissions i.e. plant, dust to be monitored at all times. All special waste to be removed by licensed contractors to licensed waste disposal premises.



