



Busselton District Junior Football Association

Line marking – Marking the ground

Before you start...

Please refer to the guide 'Line marking – The basics' and any manufacturer instructions for the line marking machine. These instructions are based on the Fountain Line marking machine.

What you'll need...

- A hose with...
 - Snap stop connectors, both ends
 - Tap fitting (and adapter to suit 1" and ¾" taps)
 - Spray nozzle (for cleaning)
 - **NOTE:** A combo of the above can be picked up from Bunnings for around \$6...
http://www.bunnings.com.au/aqua-systems-12mm-15m-garden-hose_p3131597
- You may need a key for the tap (where the tap is the vandal proof type)
- Mixing bucket (15L is a good size)
- A dregs bucket with an air tight lid (if the dregs cannot be re-used, dispose of thoughtfully)
- Paint mixer (ideally the potato masher style, rather than a stick)
- A claw hammer to remove the lid from paint cans and to tap them back on again
- Marker cones or domes
- A 10m tape measure
- *Optional:* A 50m tape measure and a tent peg to hold one end of the tape measure (unless you've got a mate willing to stand around for a while)
- Line marking machine – Charged
- Line marking paint, WHITE – MUST BE WATER BASED, e.g. ceiling white. Quantity depends on the paint type

Preparing the machine...

If the last person to use the machine did the right thing, there should already be clear water in the container. If not, pour any excess paint mix from the container into the dregs bucket, spray the inside of the container with water (to remove any flakes) and empty the container. Then pour clear water into the container (to cover the filter at least).

If possible, jet the line by connecting the line to the hose. This will also prime the line.

Now turn the machine on to run clear water from the container through the line to the nozzle. If nothing comes out, we're not off to a good start. Either the line is not primed or the filter, line and/or spray nozzle is blocked (try and keep calm at this point).

Mixing the paint...

USE WHITE, WATER BASED PAINT ONLY.

DO NOT POUR PAINT DIRECTLY INTO THE CONTAINER.

To mark a full-sized AFL ground, including 50m arcs, you'll need approximately 12L to 15L of paint mix. The ratio of paint to added water will depend on the type of paint being used. If using:

- proper line marking paint, follow the manufacturer's instructions.
- ceiling white, mix 1 part paint to 2 parts water. To make 12L of paint mix, that's 4L of paint to 8L of water. To make 15L of paint mix, that's 5L of paint to 10L of water.

ALWAYS mix the paint in a separate mixing bucket (and not in the container of the line marking machine). Before pouring the paint into the mixing bucket, first give it a stir using the paint mixer.

After giving it a stir, pour a full part of paint (e.g. 4L) into the mixing bucket. Now pour most, but not all of the water into the mixing bucket (e.g. 6L). The balance of water (e.g. 2L) should be poured into the container, if not already in there from the last job.

Give the mixing bucket a good stir. Now pour the mix (which should be a fluid, almost water-like consistency) into the container. The pouring motion should further agitate the paint mix.

Now place the lid on the container, but DO NOT TIGHTEN too tightly as it may cause a vacuum in the container causing the sides of the container to cave in.

Getting started...

Align the spray nozzle over the line to be marked and turn on the machine. It will take a few seconds for the paint mix to work through the line to the nozzle. When it does, make sure it is coming out at a good rate and the spray line is maximum width.

If not spraying to the required line width, adjust by loosening and twisting the nozzle to the correct spray alignment and height (above the ground), then tighten the nozzle again.

Line marking...

The machine should work effectively at walking pace. The pace that you walk will determine the amount of paint that will be sprayed on the ground (I.E. walking slower puts more paint on the ground).

When marking lines to a corner (e.g. the centre square), time the switch to stop and start the spraying at the right point (it can take a bit of practice).

The machine will complete the 10m centre circle OK. Take care marking the inner 3m circle as the machine can be difficult to manoeuvre around the tight turn of the inner circle. If finding it difficult, try lifting the rear wheels slightly and marking with the front wheels only as this should help with turning.

If the centre circle is showing signs of wear, consider shifting it a few metres towards either wing. This is permitted under clause 3.4 of the Laws of Australian Football 2104.

Clean up...

As a rule, leave the line marking machine in as good or better state than when you found it.

To clean up:

- (a) Disconnect the line from the container (check for a locking clip) and remove the container from the machine.
- (b) Pour any excess paint mix into the dregs bucket and cap it for later use.
- (c) Spray the inside of the container with clean water (especially the inside walls) and empty the container.
- (d) Connect the line to the hose and jet the line. (The FountainLine machine has a separate valve to jet the line.)
- (e) Place the container back on the machine and re-connect the line to the container.
- (f) Pour clear water into the container, with enough water to cover the filter at least.
- (g) Turn on the machine and allow clear water to run through the line and the spray nozzle.

Recharging the machine...

The machine has an electric pump that runs off a battery. The battery will need to be recharged periodically. To recharge, follow the instructions of the battery charger.