



THE ULTIMATE SURFACE
FOR YOUR FARM RACES



INSTALLATION GUIDE

CALL US ON 0800 88 55 55

or visit our website www.stockrock.co.nz

LAY IT ONCE, LAY IT RIGHT!



Steps to a Successful Installation

When laid correctly, a StockRock farm race will provide a farmer with a high quality, soft, long-lasting, working surface. The investment made in a StockRock surface will be rewarded if the installation procedure specified below is followed.

1. Choose the appropriate grade of StockRock: SR100 or SR65.

2. Order the appropriate quantity of StockRock. An online calculator is available on www.stockrock.co.nz

3. Mark out and measure the area for installation.

4. Scrape the marked area clean, removing all soft material, mud and potholes.

5. Rip and re-shape the existing race to ensure the surface is evenly contoured, fence to fence.

6. Lay StockRock on full width of the race, fence to fence.

7. Track roll, then compact StockRock with a 4-tonne roller to finish.

For more information or advice
0800 88 55 55



CHOOSING THE APPROPRIATE GRADE

Grades of StockRock™ available

StockRock 100 Grade (SR100)

Nominal 100 mm top size crushed and screened.

This grade is used for a capping layer in high pressure areas, and within 200m of the cowshed. Recommended laying thickness is ~ 180 mm when loose. A 30 tonne load, compacted to 120mm finished depth, covers 170 square metres.

StockRock 65 Grade (SR65)

Nominal 65 mm topsize crushed and screened.

This smaller grade is used for extending the StockRock race surface after the first 200 metres. SR65 is used to cap an existing hard, boney farm race surface, or a light duty yarding areas for horses, or sheep and goats. A 30 tonne load, compacted to 80mm finished depth, covers 250 square metres.



Guide to estimating your required tonnage

for our online calculator go to
www.stockrock.co.nz

SR100

Measure the high pressure area to be covered in SR100.

example:

100mx5m of farm race = 500m²

Multiply the area 500 m² x 0.18

Total = 90 tonnes.

NOTE: The 0.18 factor gives the loose, uncompacted volume required for spreading SR100 at 180mm. This volume will compact to 120mm when rolled and sealed.

SR65

Measure the extension area to be covered in SR65.

example:

125mx4m of extension = 500m²

Multiply the area 500m² x 0.12

Total = 60 tonnes

NOTE: The 0.12 factor gives the loose uncompacted volume required for spreading SR65 at 120mm. This volume will compact to 80mm when rolled and sealed.

Most road haulage contractors cart 29 – 30 tonnes, so for efficiency, order your StockRock to the nearest full unit load.



HOW TO LAY STOCKROCK™

How to lay SR100 on Existing Farm Races

1 Measure

Mark out the area to be covered with SR100. Measure fenceline to fenceline.

A minimum uncompacted thickness of 180mm must be maintained over the full width of the race.



2 Clean & Clear

The area must be scraped clean, removing all soft material, mud and potholes, before StockRock™ can be successfully installed.

Edges against concrete must be rebated by 300mm to allow for a good wearing strip.



3 Reshape

Using a grader, rip and re-shape the race surface so that the camber on the race is approximately 3–6% from the centreline.



For installation advice
PHONE 0800 88 55 55

How to lay SR100 on Existing Farm Races

4 Lay

Once the existing race has been cleaned off and each end has been rebated for the wearing strip, spread SR100 at **180mm depth, fenceline to fenceline, full width of the race.**



5 Track Roll

It is recommended to track roll the surface once shaped, prior to compacting with a roller. We do not recommend using a tractor and blade only.



6 Compact

Compact using a 4-5 tonne vibrating roller, minimum 4 passes over each section of the race. The **finished compacted depth of 120mm must be maintained over the full width of the race.**





COMPLETED STOCKROCK™

Finished StockRock™ Farm Races

Finished StockRock™ race.



Farm shed entrance.



StockRock™ race in use.



Cross Section of a StockRock™ race.



How to repair existing StockRock™ Farm Races

Some areas may wear more quickly than others. In this instance, repairs can be made simply and quickly using an excavator and roller, without ripping up the entire race.



Simply cut out the area similar to how you would replace a piece of concrete, and replace with new rock.

The key here is to make sure you excavate back far enough into the base layer so the repair is 'keyed' into the existing layer, and so you have minimum of 120mm compacted thickness.

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PHONE 0800 88 55 55



How to lay SR65

1

Mark out the area to be covered with SR65. Measure fenceline to fenceline across the race. NOTE : SR65 will cover 250 square metres.

2

Clean off the farm race, taking care to scrape any muck out of potholes and remove any loose stones on the surface.

3

Rip and reshape the existing race surface so that it has a nice even camber of 3-6% from the centre of the farm race to either side.

4

Use (at least) a 4 tonne roller to re-roll the newly shaped race surface.

5

When the SR65 is spread from the truck make sure it is not spread too thin. SR65 will cover 250 square metres. As the load comes out of the truck and trailer unit, track roll it with your machine as soon as possible. Early rolling prevents a boney finish.

6

Grade the product out to one side leaving an even windrow along one fenceline. Roll the product again with your roller to help retain the fines on the race surface.

7

Re-grade the SR65 back to the other side of the race, forming a 120mm loose layer from fence to fence. **SR65 must cover the full width of the race at 120mm depth** before starting compaction.

8

Once evenly graded, use the 4 tonne roller to **compact from 120mm to a depth of 80mm the full width of the race**. You will need to pass over each section of race at least 4 times with a 4 tonne roller. (A bigger roller will require less passes.)

How to lay SR65

9

You can choose to use a watercart to soak the race surface and help speed up the natural cementing process. Once cemented, StockRock™ lasts.



10

Completed installation of StockRock™.





How do I start?

- ▶ Calculate the coverage area using our online calculator www.stockrock.co.nz
- ▶ Call us on 0800 88 55 55



The Quarry

223 Twist Road,
Ngakuru,
New Zealand



Blue Pacific
MINERALS

StockRock™ is a trademarked
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