



KEEP YOUR MEETING ON TRACK

THE WORLD'S BEST RACING SURFACE

StrathAyrTM
Track Systems



DEDICATED TO TURF FOR 50 YEARS

1968

Our first turf is planted and sold in Tasmania at our namesake, the 'StrathAyr' turf farm.

1972

Expansion to the new turf farm and office in Melbourne, Australia.

1988

International business begins when BAyr Root (soil free) Turf was air freighted from Australia to Hong Kong for the resurfacing of the Sha Tin Racetrack.

2018

StrathAyr are a major natural turf solution provider to Australia, USA, Singapore, Malaysia, Hong Kong, China and many other countries worldwide.

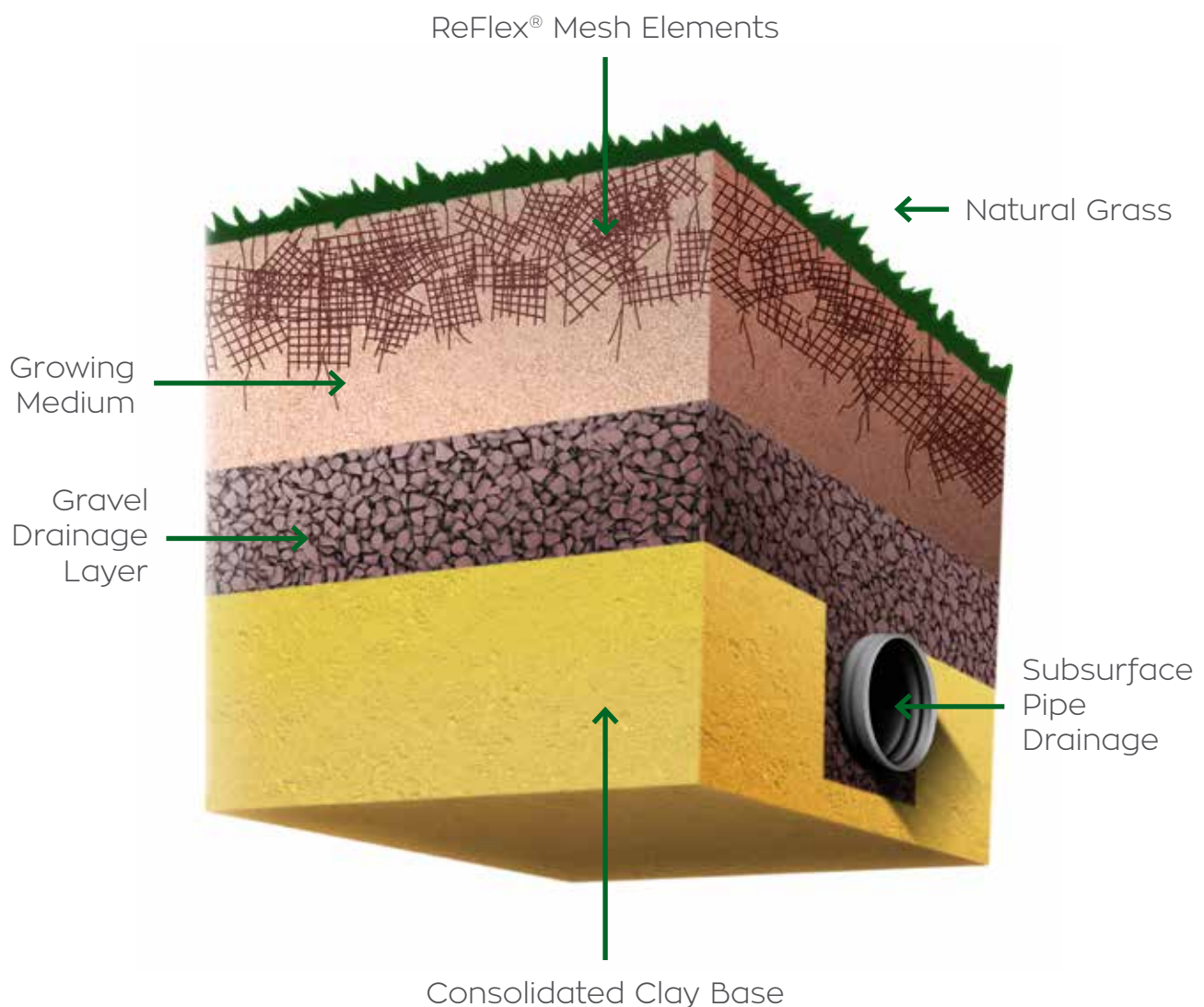
STRATHAYR TRACK TECHNOLOGY

The StrathAyr Track provides an extremely resilient, safe and long lasting natural grass surface. Proven in major racetracks and sports stadia around the world, the system, unlike any alternative, is underwritten by over 20 years of documented scientific research.

It consists of a specially engineered profile that incorporates a base drainage layer of gravel and pipes, a lower layer of sand and an upper rootzone layer reinforced with unique ReFlex® mesh elements. The result is a natural grass surface which combines remarkable surface strength, excellent drainage and improved grass growth, allowing increased usage over a longer period.

The profile also incorporates a perched water table design which means that although the infiltration rate is in excess of 200 mm/hour it also stores water in the lower part of the growing medium. This makes the profile very water efficient and encourages deep root growth.

This all-weather reinforced natural turf track concept was pioneered by the Hong Kong Jockey Club 30 years ago. StrathAyr has since refined and developed the profile further, resulting in the premium all-weather racing surface it is today.



COST-EFFECTIVE RACING

One of the more significant advantages of the StrathAyr Track is its durability and the long life of the profile. When managed correctly the track is very cost efficient in terms of management and maintenance.

MORE RACING

The ability to handle all types of weather conditions, combined with high load bearing capabilities, better wear resistance and faster recovery after damage provides racecourse managers with the opportunity to host more races and increase their returns.

SAFER RACING

The technology provides greater surface uniformity and the action of the ReFlex® mesh elements provides a cushioning effect on impact, lowering the potential for injury.

ALL-WEATHER

StrathAyr Tracks are designed with an infiltration rate in excess of 200 mm/hour, which has resulted in there never being a wet weather cancellation caused by the condition of the surface. The overall drainage capability of the track in regard to sizing of drainage pipes and spacing is custom designed to the local climate.

Due to the free draining nature of the profile and the consistency of the track around the entire circuit, the variation in track ratings between wet and dry conditions are also substantially reduced.

REDUCED COMPACTION

The incorporation of ReFlex mesh elements provides the profile with unique load bearing capability enabling horses, trucks and turf equipment to travel over the surface in all weather conditions without causing compaction. Reduced compaction also means better grass growth and therefore faster track recovery after wear.

LONGER LIFE

The compaction resistance provided by the inclusion of ReFlex® mesh elements provides a greatly extended life of the rootzone profile. A number of StrathAyr tracks have now been racing in excess of 20 years with no noticeable degradation of the profile.

PROFILE DESIGN

The StrathAyr Track design remains consistent across all countries. Only the drainage design and turf species selection will vary according to the climate.

The StrathAyr design team have developed this capacity to construct fields with consistent performance despite the need to use different sands and gravels for almost all projects.

TRACK MANAGEMENT

The high performance track is easy to manage despite the management regime being slightly different to that of a conventional program. In fact, the profile is very water, fertiliser, and labour efficient when managed in accordance with the StrathAyr guidelines.

CONSTRUCTION CAPABILITY

StrathAyr have developed specialised machinery and expertise over many years and can offer full design and construction services from start to finish.

ONGOING SUPPORT

StrathAyr provides ongoing support for all our projects including a full agronomic consultancy service.





UNDERSTANDING REFLEX® TECHNOLOGY

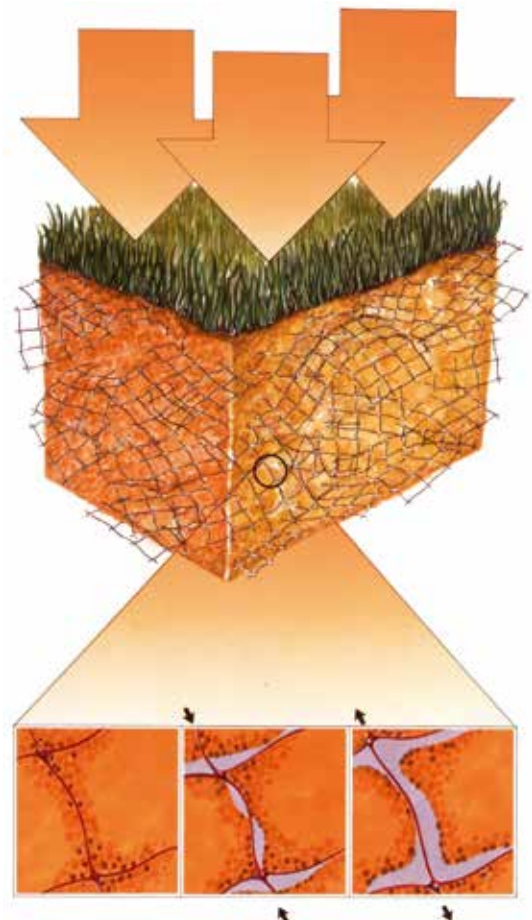
SOIL PARTICLES INTERLOCK WITH THE MESH, PACKING INTO THE MESH APERTURES TO FORM A SOIL/MESH CLUSTER. THESE CLUSTERS THEN INTERLOCK TO FORM A STABLE COMPOSITE ROOTZONE MATRIX.

When this rootzone matrix is compressed by players, horses or vehicles, the mesh elements provide a dual effect. This acts like thousands of springs, flexing vertically as the load is applied to the surface and returning to their original form after the load is released.

At the same time the applied load compresses the soil within the mesh apertures causing them to expand laterally. As the load is removed, the apertures shrink back elastically and the surface profile recovers. This combined mesh-flexing and elastic-straining of the apertures provides unique impact absorption and surface recovery properties.

ReFlex® mesh also creates and maintains voids along the length of the mesh filaments. These maintain air spaces in the rootzone, enhance capillary water retention and ultimately provide an improved environment for grass growth.

The load bearing properties provide a significant increase in surface strength and a built-in resistance to compaction, leading to a greatly extended working life.



The flexing action creates and maintains voids along the length of the filament.



STRATHAYR INSTALLATIONS AROUND THE GLOBE



GUANGZHOU HKJC TRAINING CENTRE, CHINA

StrathAyr has been involved in the construction of the main track at Guangzhou to an engineered profile incorporating ReFlex® mesh elements, with work completed in 2018.

This now provides China with a similar all-weather racing profile to the Hong Kong Tracks.



HAPPY VALLEY RACETRACK & SHA TIN RACETRACK, HONG KONG



The Hong Kong Jockey Club pioneered the all-weather natural turf track concept in 1988 when the Happy Valley Racetrack was reconstructed. The Sha Tin track reconstruction of 1990 also incorporated mesh elements.

The Hong Kong Jockey Club tracks continue to provide an intensive schedule of safe, all-weather usage after 30 years of racing.



KRANJI RACETRACK, SINGAPORE

The StrathAyr Track at Kranji has been providing safe, all-weather racing since 1999. The StrathAyr technology was selected following extensive trials comparing various drainage and growing medium concepts.

Singapore's StrathAyr Track boasts a heavy racing program. Despite rainfall prior to and during meetings

frequently exceeding 100mm (4 inches) and on occasions exceeding 200mm (8 inches), there has never been a track-related race meeting cancellation.

Singapore Turf Club maintains extensive records on break down rates and since the construction of the new Kranji course proper, their injury rates have dramatically reduced.

ELWICK RACETRACK, HOBART, TASMANIA

The Elwick racetrack is one of Australia's original premier thoroughbred tracks and has recently been rebuilt as a StrathAyr Track in 2019.

Even though Hobart does not have a high rainfall, the many other advantages of a StrathAyr Track have already been clearly demonstrated, including the ability to perform

magnificently very soon after completion and still be very kind to the horses.

Being constructed "on time and under budget" the track opened to wide acclaim in January 2020 with the Hobart Derby followed soon after by a hugely successful Hobart Cup.





MOONEE VALLEY RACETRACK, VICTORIA, AUSTRALIA

Since its first race meeting in 1995 and the running of more than 20 Cox Plates, the track has exceeded all expectations and now has the reputation of being the most forgiving and best all-weather track in Melbourne.



MOWBRAY RACECOURSE, TASMANIA, AUSTRALIA

The Tasmanian Turf Club's Launceston home at Mowbray is a race track which has almost 200 years of history. The track hosts an annual calendar of track events, including the Launceston Cup and mid-week night racing. Since 2007, the StrathAyr Track has provided the Mowbray track an all-weather ability, providing a safe, high-quality running surface for race events year-round.



GODOLPHIN TRAINING TRACK, NEW SOUTH WALES, AUSTRALIA

Godolphin (formerly Darley) needed a track surface suitable for training their world class thoroughbreds. At their Osborne Park training facility they wanted a surface that was durable, safe, and consistent. Since 2010 the StrathAyr Track System has ensured that the track is suitable for training their elite thoroughbreds and has contributed to their success.

TOWOOMBA RACE TRACK, QUEENSLAND, AUSTRALIA

The Toowoomba Race Track hosts over 45 meetings per year on a narrow 18 metre wide track. That means Toowoomba needed a track that could handle the meeting workload and the training in-between. To make matters more complex, Toowoomba has both heat and high rainfall issues that could damage a normal track installation.

The StrathAyr Track System permits excellent drainage, while ensuring that adequate moisture can be retained in hot periods to maintain the surface. Add to that the strength and resilience provided by the StrathAyr Track System and you have a winning solution.





NEWCASTLE JOCKEY CLUB, NEW SOUTH WALES, AUSTRALIA

Newcastle is the biggest regional racing and training centre in New South Wales. StrathAyr's contract included the design and construction of two turf tracks as well as extensive drainage and water harvesting infrastructure.

The Course Proper was built to the full StrathAyr Track in 2016 following the construction of the conventional inner Beaumont Track the year prior.



MACKAY TURF CLUB, QUEENSLAND, AUSTRALIA

The Mackay Turf Club is one of Queensland's leading thoroughbred racing club, hosting over 20 midweek races and eight feature race days throughout the year. The course is home to a world-class Strathayr race track with

total circumference of 1600 metres. The StrathAyr Track has proven its all-weather capabilities on many occasions in this high rainfall environment.



MOE RACING CLUB, VICTORIA, AUSTRALIA

Moe Racing Club is in one of the more challenging climatic areas of Victoria and races all year round, thereby making full use of the advantages of the StrathAyr System.

Popular race meetings include the Moe Cup, ANZAC Day Races and the Horses & Horsepower event, which combines both horse racing and an extensive car show.



Sam Houston Race Park, Texas, USA

STRATHAYR REMOVABLE RACETRACK CROSSING

Roadway one hour, natural grass the next

StrathAyr's ModulAyr System enables a club to have an entire racetrack circuit of natural turf, while providing a roadway access for heavy trucks. The removable crossing is constructed using StrathAyr 2.44m x 2.44m modules. These modules are made from steel with a protective coating and are easily moved in and out by forklift. The modules are placed on a concrete base that is driven over on non-race days. When not in use, the modules are stored in a nearby nursery.

LIVING LEGENDS AT WOODLANDS HISTORIC PARK, VICTORIA, AUSTRALIA

Living Legends is a Victorian-based initiative to host retired champion racehorses. In 2018, StrathAyr was proud to donate our world famous turf to the facility to assist in caring for their four-legged athletes.

In addition to caring for the horses, the facility is also open to the public.

www.livinglegends.org.au



StrathAyrTM

Turf Solutions

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ReFlex – registered trademark of Conwed Plastics.