

*Connected with the horse
from the ground up*

PRODUCTS

UNDERNEATH EVERY CHAMPION



BACHER
PRODUCTS
Equestrian Systems

www.bacherproducts.de



EDITORIAL



It is the profound connection between animals and sport that drives us on. We create the basis for the bond between horse and rider with our high-quality components for riding arena construction. And we have done so with passion for over 30 years.

A good equestrian surface is a subject close to our heart. Inadequate surfaces can cause injury and have an adverse effect on the performance of the horse.

For us, keeping the animal healthy and hence willing to perform is the best reason for making good footings and it spurs us on continuously. Every movement is influenced by how the hooves interact with the ground and the properties of the surface. Horses feel secure on our footings.

**CONNECTED TO THE
HORSE FROM THE
GROUND UP**

DETAILS

Bacher Products is an independent, down-to-earth company based in Bürstadt, where it has been run by its founder, Wolfgang Bacher, for over 30 years.

He inherited his love of equestrian sports from his father, who was a blacksmith. Wolfgang has taken part in trotting races all over Europe in an amateur capacity, always keeping in mind the welfare of the horses. His passion has thus turned into a business that provides products for equestrian sport and focuses exclusively on the wellbeing of the horses.

His global networking in different branches of equestrian sport allows him to take his passion further and further afield.

HOW WE WORK

It is important to us that our customers are satisfied. This has always been part of the philosophy of company founder Wolfgang Bacher. He loves finding affordable solutions to every challenge.

We show the same high level of commitment to smaller projects such as the "um die Ecke" ("round the corner") riding club as we do to major projects such as the 2020 World Cup Finals in Las Vegas.

"Down-to-earth" and "connected with the horse from the ground up" are the hallmarks of our products, which are used for surfaces in various areas of equestrian sport:

- Additives
- Equestrian mats
- Mats for paddocks and active stables
- Underfloor irrigation systems

Our global network of customers and retailers extends across more than 44 countries:



- Canada, USA, Peru, Mexico, Chile, Brazil, Paraguay
- Sweden, Denmark, England, Netherlands, Belgium, Iceland, France, Switzerland, Austria, Luxembourg, Italy, Spain, Portugal, Poland, Lithuania, Finland, Germany, Turkey, Ireland, Czech Republic, Slovenia, Hungary, Croatia
- South Africa, Egypt, Morocco, Saudi Arabia, UAE, Uzbekistan, Georgia, Kazakhstan, Syria, India, Kuwait, Turkmenistan, China, Korea
- Australia
- New Zealand

CONTENTS

05 How we work

06-09 ArenaGrip

10-11 ArenaGrip References

12-13 ArenaMat

14-15 ArenaMat Riding Arena

16-17 ArenaMat Paddock

18-19 ArenaWet

20-21 ArenaWet classic

22-23 ArenaWet soft

TESTED

ArenaGRIP

Polyester fabrics & fibers



FIRM HOLD FROM THE GROUND UP

There is a direct link between the health and performance of the horse and the construction and composition of the riding arena. ArenaGrip polyester fabrics allow significant improvements to be made in the qualities of arena footing.

We recommend ArenaGrip in combination with a suitable, tried-and-tested sand. We would be happy to offer advice on the type of sand you need and the best ArenaGrip polyester fabrics to go with it.

You can configure ArenaGrip polyester fabrics to your individual requirements by choosing from our Basic, Supreme and Premium mixtures in 4 color variations.

Sand is the most important component of a good footing. Whether for dressage, show jumping or horse racing, ArenaGrip polyester fabrics are the perfect additives for functional and safe footings. In contrast to additives made from wood or cotton wool, ArenaGrip polyester fabrics are completely weather-resistant and thus considerably more durable.



GRIP FOR EVERY STEP



BASIC

Polyester fabrics with no additional fibers. Improves elasticity and prevents hooves from sinking.



SUPREME

Polyester fabrics with a fiber content of approx. 10%. The low fiber content improves shear strength. Is frequently used for dressage arenas.



PREMIUM

Polyester fabrics with a fiber content of approx. 20%. The higher shear strength provides the necessary grip for jumping.

Color combination:

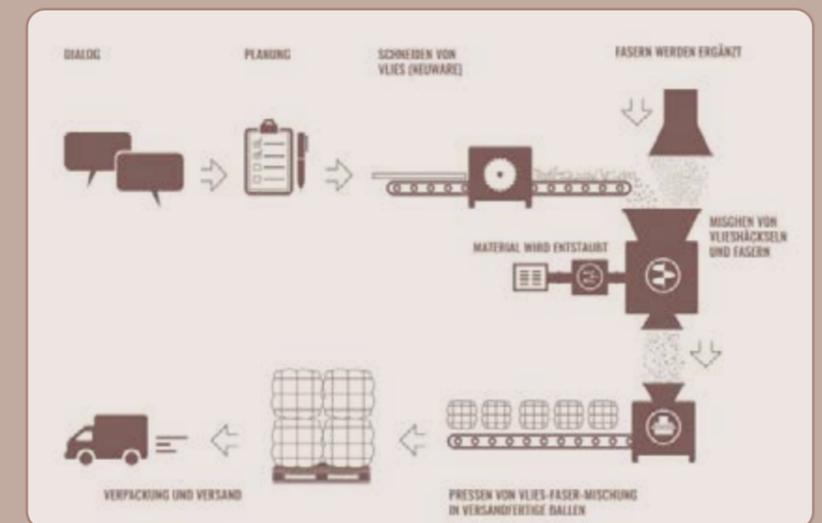
WHITE

CREAM

GREEN

MULTICOLOR

PRODUCTION PROCESS





There is no doubt that the legs are what give a horse its power. It is thanks to them that the horse and rider appear to swing effortlessly and elegantly across the arena. At the same time, a horse's every stride is a feat of nature that can be divided into three demanding phases:

In the **landing phase** the hoof reaches the ground and comes to an abrupt halt, whereby shock waves are transmitted to the horse by the impact.

In the **loading phase** the hoof bears the combined weight of horse and rider when in full contact with the ground. The fetlock and tendons are responsible

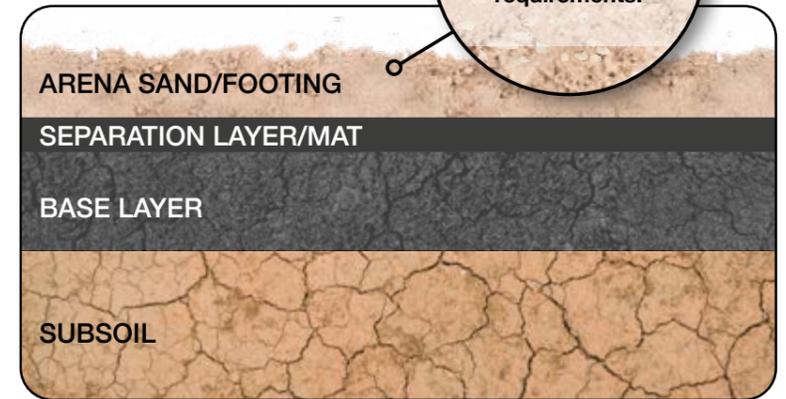
for shock absorption at this point and are therefore under maximum strain.

Finally, the hoof rolls over the toe in the **push-off phase** before breaking into the next stride.

The capacity to minimize concussion, absorb shock, provide support and return energy back to the horse are all essential properties of a good equestrian surface, which should allow the horse to move through these phases efficiently.

ARENA CONSTRUCTION

Configure ArenaGrip polyester fabrics to your individual requirements.



PROTECTS HORSE, RIDER AND ENVIRONMENT!

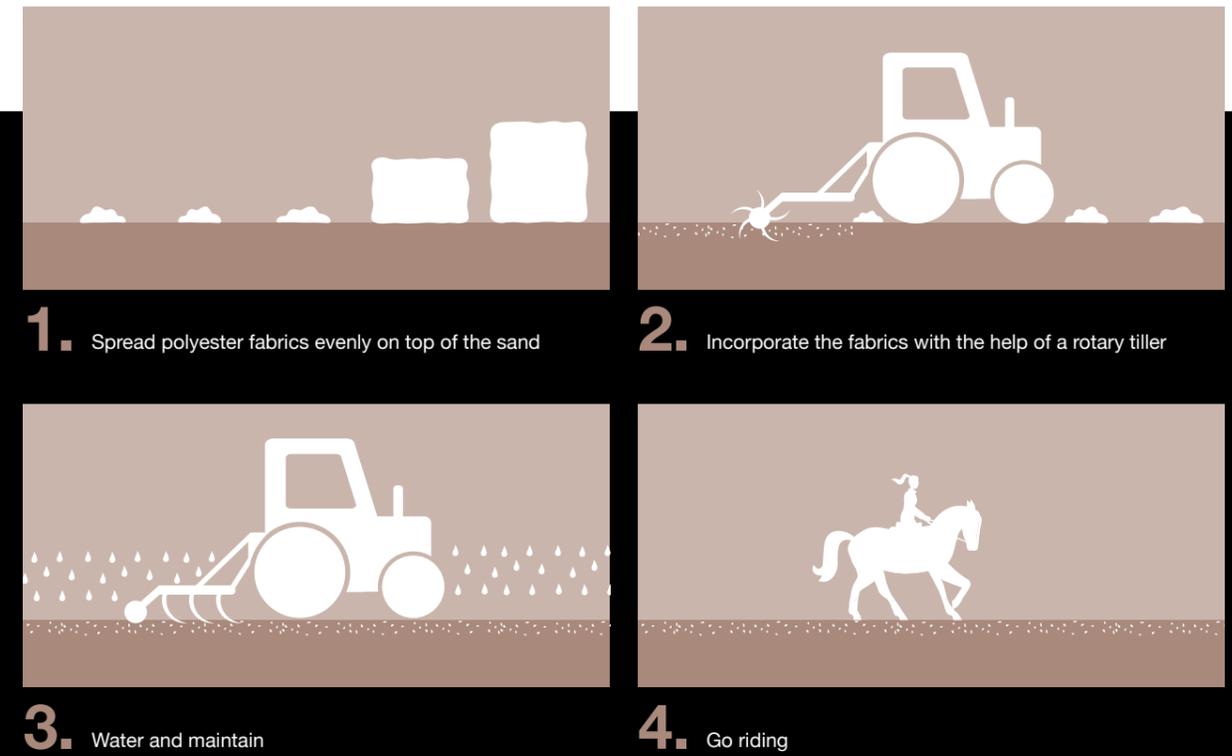
ArenaGrip polyester fabrics are a high-quality upcycled product. Large quantities of edge trimmings accumulate during industrial fabric production and cannot be reused due to their shape. This material is not waste, however, but new fabric! We have the expertise to repurpose this fabric by using it underneath the hooves of horses. The weather-resistant properties of our polyester fabrics mean that they are extremely durable and can simply be separated from the sand at the end of their lifespan and disposed of with the residual waste.



RACING MIX

The fiber-rich additive improves shear strength and is also used for showjumping arenas.

Arena GRIP
Polyester fabrics & fibers



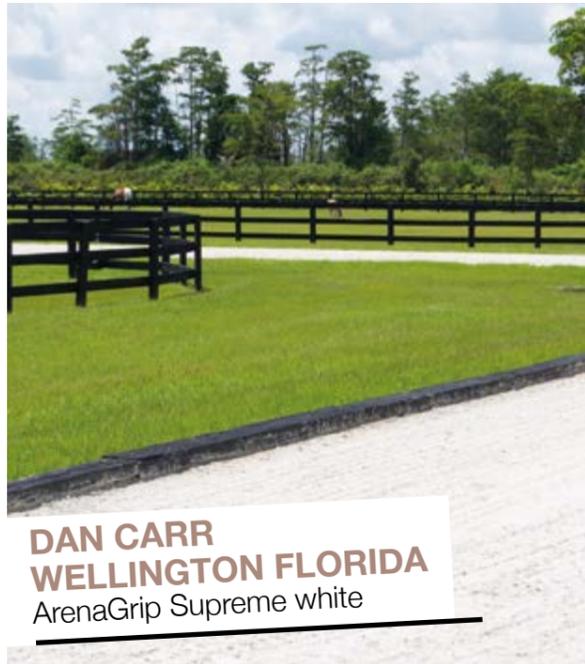
INCORPORATION

REFERENCES

Bacher Products attaches great importance to providing support for all our partners and customers worldwide.



QINGDAO EQUESTRIAN, CHINA
ArenaGrip Premium white



DAN CARR WELLINGTON FLORIDA
ArenaGrip Supreme white



EGYPT
ArenaGrip Premium white



MAGOZIP, SOUTH KOREA
ArenaGrip Premium white



EQUESTRIAN SERVICES INTERNATIONAL WELLINGTON, FLORIDA
ArenaGrip Basic green

"I HAVE PUT MY TRUST IN THE QUALITY AND SERVICE OF BACHER PRODUCTS THROUGHOUT MY LONG CAREER AS A DRESSAGE RIDER."
Uta Gräf



ArenaGRIP
Polyester fabrics & fibers

Arena MAT

Arena / Paddock



SPECIES-APPROPRIATE FROM THE GROUND UP

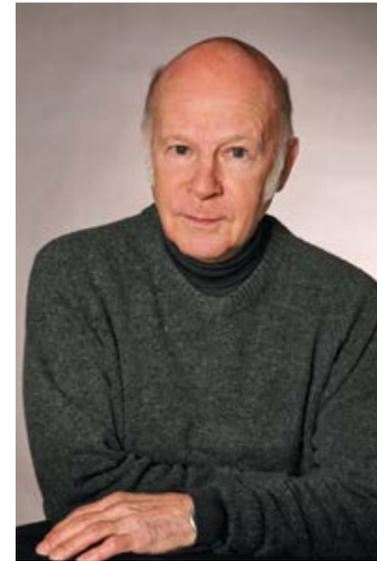
The function of the ArenaMat is to form a separating layer between subsoil and footing, both in the arena and in the paddock. Enjoy a sense of security and feel the difference – with every step.

Bacher Products can supply suitable drainage mats for your riding arena or paddock. They are ideally suited to all 2-layer and 3-layer systems. ArenaMat Arena/Paddock is ideal for keeping the moisture content of the footing at a constant level. The unique structural design of the mat means that it is optimally adapted to the prepared subsoil. There is no need to connect the individual mats.

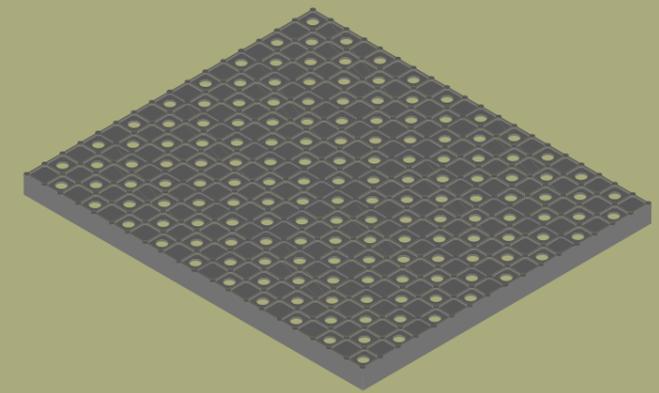
EXPERT OPINION

"AN EQUESTRIAN SURFACE MUST OFFER THE HORSE SECURITY AND BE GENTLE ON ITS JOINTS AND HOOVES."

Prof. Dr. Schnitzer



3D VIEW OF ArenaMat



FOOTHOLD BENEATH THE HOOVES



ARENA CONSTRUCTION

The ArenaMat is optimally adapted to the prepared subsoil.



RIDING ARENA

WHY BUILD A RIDING ARENA WITH ArenaMat ?

The clean separation of sub-base and footing guarantees reliable drainage.

Our high-quality ArenaMat is made by upcycling synthetic leather scraps from the automotive industry. By recycling these raw materials, we are playing our part for a sustainable future.

We have developed equestrian mats without holes for countries with low rainfall. The ground dries out more slowly as a result, as was seen when they were used at the Pan American Games 2019 in Peru.

The mats can simply be dismantled and reused.



PAN AMERICAN GAMES 2019, PERU
ArenaMat + ArenaGrip



Arena MAT
Riding arena

Paddock

WHY BUILD PADDOCKS WITH ArenaMat?

Horses are highly social animals and it is particularly important for them to live in a group and have contact with their own species. We use ArenaMat to lay the foundations for securely fixed surfaces.

ADVANTAGES

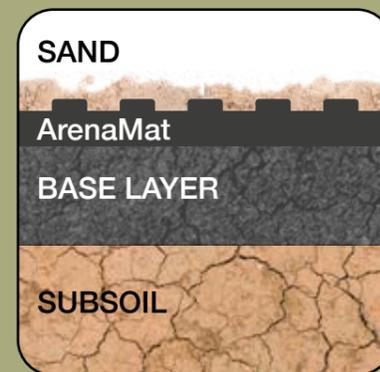
- Long lifespan
- No mud due to drainage
- Horses cannot "dig"
- Construction without subbase
- Construction with subbase accessible to machinery
- Can simply be dismantled and reused



CONSTRUCTION POSSIBLE WITH OR WITHOUT SUBBASE!



2-layer system



3-layer system



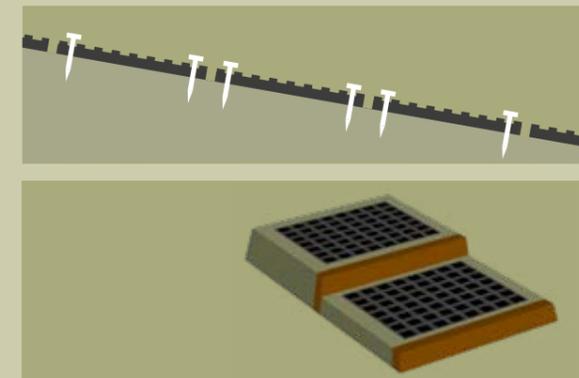
INSTALLATION INSTRUCTIONS



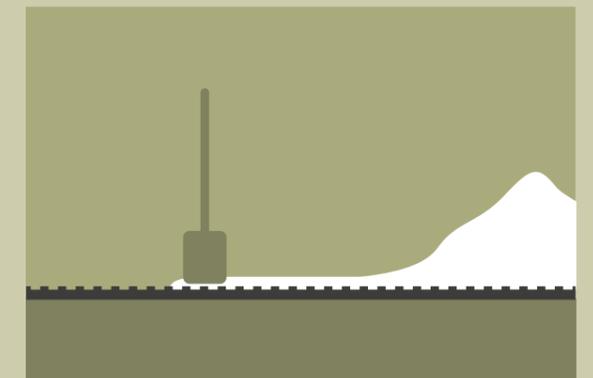
1. Level the subsoil



2. Lay mats with spacing between joints



3. In case of sloping ground, fix with pegs or cut steps



4. Fill holes

Arena MAT
Paddock

ArenaWET

classic / soft

FROM THE GROUND UP NATURAL

As sustainable and economical as nature itself. Our revolutionary patented underfloor irrigation system is designed to water footings evenly and automatically. The dust-binding properties and gentle bounce of ArenaWet will give your horse confidence.

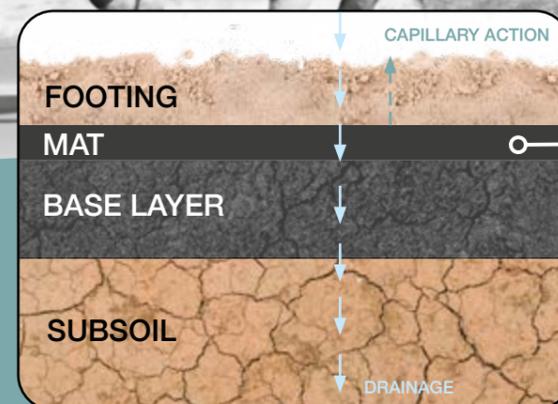
The uneven drying out of arenas is a widespread problem. ArenaWet is divided into multiple circuits so it can be used to control specific areas of the arena separately. The irrigation intervals can be set according to requirements. The result is a footing with optimally consistent moisture levels which is protected against abrasion and to which irrigation pipes are directly connected.

70 %
water
saving

INTELLIGENT IRRIGATION

Advantages

- Water saving
- Low operating costs
- Automatic control
- Worldwide patented system
- Suitable for indoor and outdoor riding arenas
- Accessible to riders during irrigation
- No surface sealing



INTERVIEW WITH GRACE FINNE KAMPHEFNER

Owner of Flying Change Farms, California

thought to be a risk. It was worth it, because I ended up with a system that allows the arena to be watered from underneath and does so at a really fair price. My facility is located in northern California and we keep a close eye on our water consumption. We have reduced our water consumption thanks to ArenaWet, especially during the warmer months.

1. Please describe yourself in a few words.

I started riding at the age of 8 and, apart from a few stages of my life when it was difficult to find the time for it, I have been riding my whole life. I've been an amateur show-jumper in northern California since 1993 (up to 1.25 m) and started training in dressage in 2012 so that I can also enter competitions here. I currently have my USDF medals in bronze and silver and I hope to win my gold medal at some point. I opened my own boarding and training facility, "Flying Change Farms", in Loomis, California in the summer of 2018.

2. Why did you opt for ArenaWet? Did you compare it with any other systems?

I thought about having a water trailer to keep the riding arena evenly watered. This entails a lot of work every day, however, and we only have a limited amount of help at the moment. When I heard about ArenaWet, I had actually already accepted that I would have to install a standard surface sprinkler system. I had also looked into similar systems to ArenaWet beforehand but they were very expensive. An underfloor irrigation system was a new thing in the USA at the time and I decided to install one, even though it was

3. What, in your opinion, do you have to bear in mind when building a new arena?

When building an arena, it's very important to bear in mind the site, drainage and irrigation system in terms of even distribution. Not only does ArenaWet ensure that the arena is well watered, it also improves stability when it rains and the mats cushion the strides of the horses.

4. Have you found that the system has affected your riding skills?

I've found that our ArenaWet system has enhanced the experience of riding for every horse that enters the arena. It's exciting to watch a horse trying out our system for the first time. From the start of the ride to the end, after their trot, they notice how good the ground feels for their legs and they would be happy to keep going. One of our horses had previously had problems with lameness over a long period of time. It is now fully fit and well since moving into our stable.

5. Has the amount of water used for the arena irrigation system risen or fallen?

We only use a fraction of the water that we would need if we had a surface irrigation system. Our arena is divided into 6 zones across its whole width. It only takes 15 minutes to water every zone compared with the 1½ hours it takes to water an entire arena during the driest months (daily temperatures fluctuate between 32-41°C). This falls to around an hour a day during the cooler months, however, if there was no rain the previous day. The ground stays moist longer because the sand underneath is still wet.

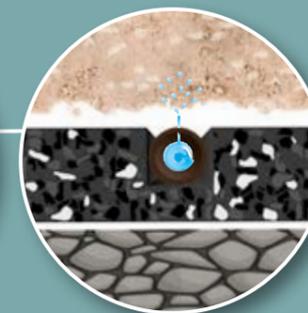
6. Would you choose ArenaWet again?

I intend to build two more arenas in the coming year and I will definitely be using the ArenaWet system again. My arena in northern California has had to withstand the driest summer months and the wettest winter months that I have ever known in recent years. ArenaWet was worth every cent.

ARENA CONSTRUCTION

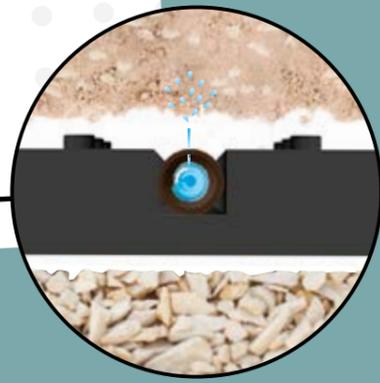


ArenaWet classic



ArenaWet soft

CLASSIC

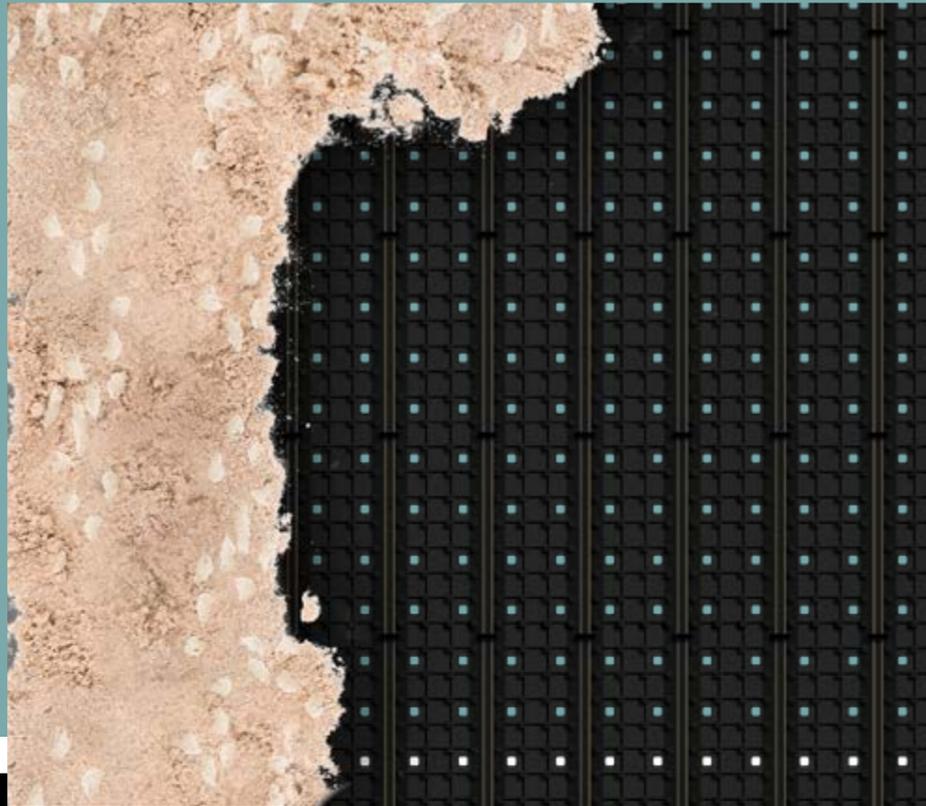


TODAY FOR A BETTER TOMORROW

ArenaWet can be used with rain-water, mains water or well water but it is essential to stay within the stipulated limits.

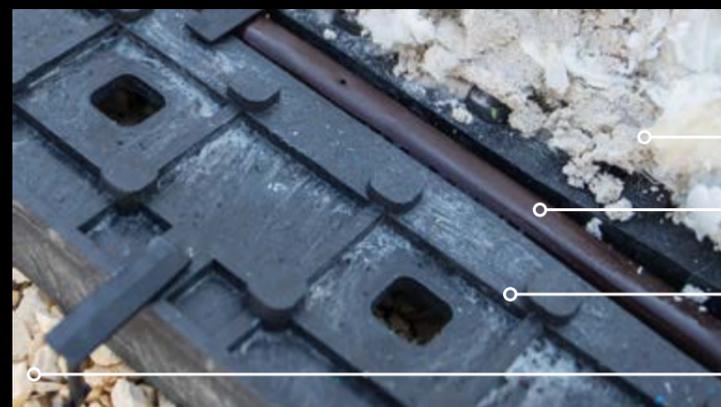
It consists of a classic riding arena mat made of PVC with integrated grooves for the irrigation pipes.

The drip irrigation system is a long-established practice in agriculture. We are introducing it into equestrian sport.



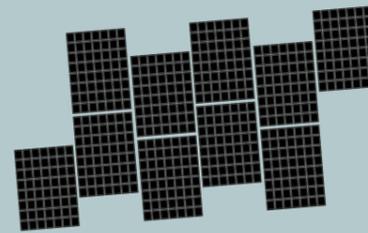
CONSTRUCTION

classic

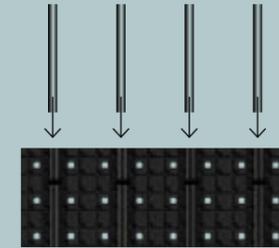


- Footing
- Irrigation pipes
- ArenaWet classic mat
- Base layer

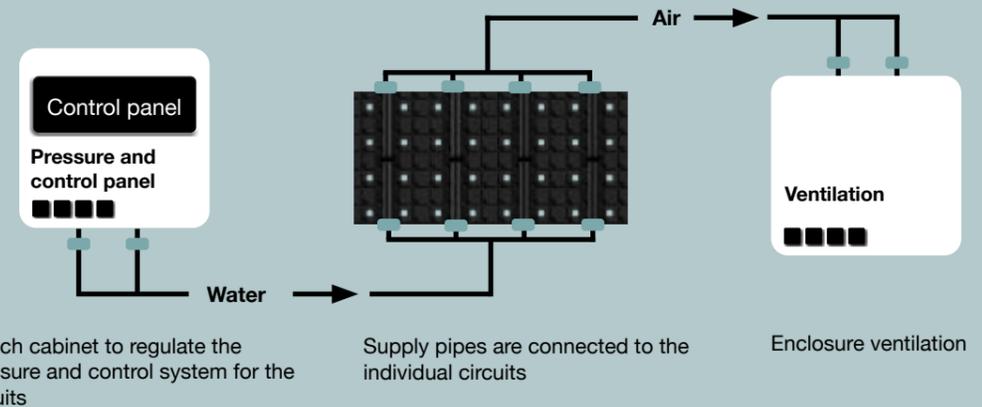
INSTALLATION OF ArenaWet classic



1. ArenaWet classic mats are laid out



2. Irrigation pipes are inserted



HEIMLICH, FRANCE
ArenaWet classic



**BÜLACH RIDING CLUB,
SWITZERLAND**
RW Produkte

"Competitions run smoothly thanks to the underfloor irrigation system and consistent conditions."



SOFT

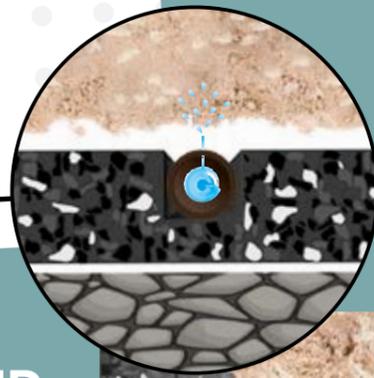
IT'S ALL ABOUT THE REBOUND

Rebound refers to the elasticity that allows a surface to revert to its original form and return energy to the horse after its weight has been applied.

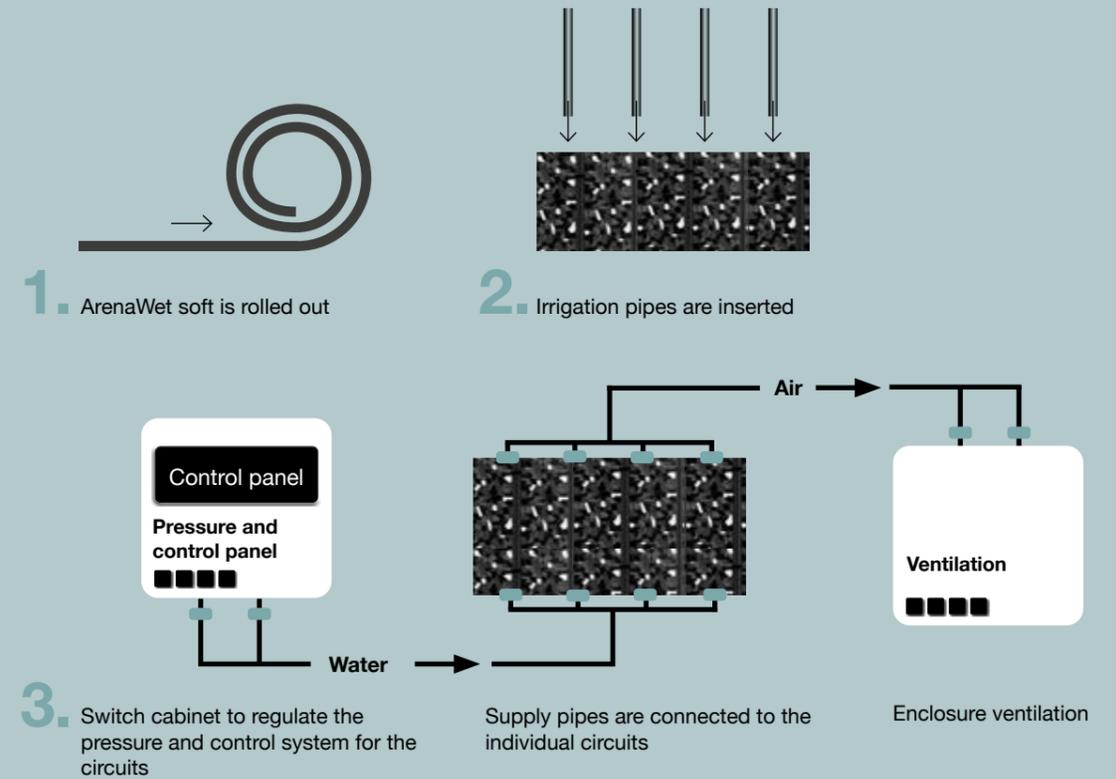
A rigid and compact footing returns energy too quickly, which means that additional impacts and vibrations must be absorbed by the horse.

A deep footing returns energy too slowly. The horse has to use its own energy, ligaments, tendons and muscles in order to lift itself off the surface.

We developed ArenaWet soft in order to create an active and springy surface with just the right amount of rebound to return energy at the same speed with which it was absorbed. This can be seen in the swing of the horse. Different disciplines make different demands on the footing and its rebound capacity.

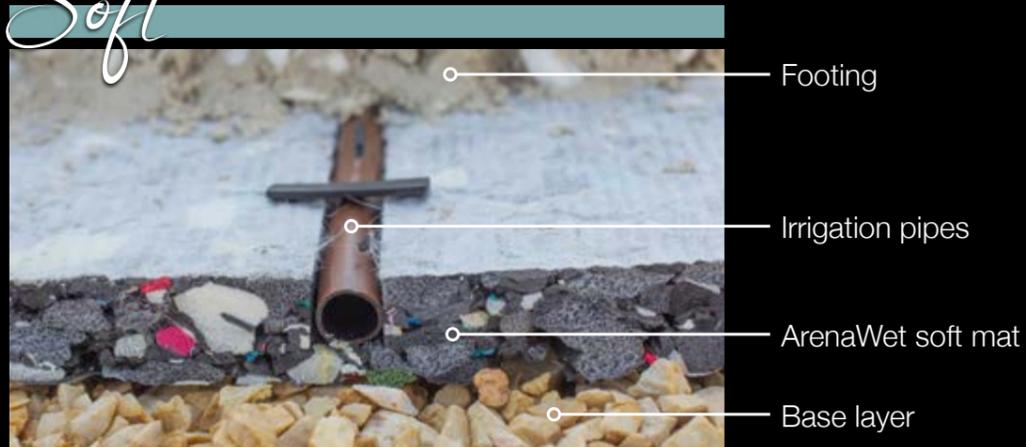


INSTALLATION OF ArenaWet soft



CONSTRUCTION

Soft

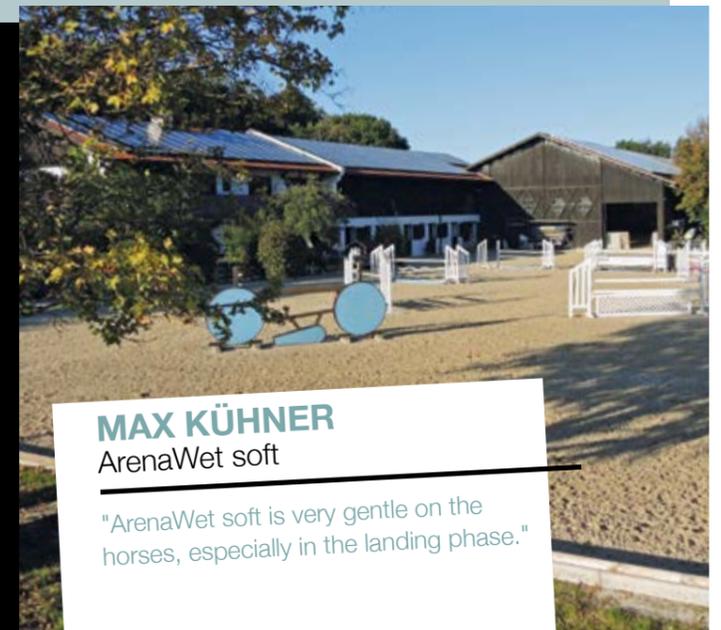


FLYING CHANGE FARMS
ArenaWet soft



MAX KÜHNER
ArenaWet soft

"ArenaWet soft is very gentle on the horses, especially in the landing phase."





BACHER
PRODUCTS
Equestrian Systems

Bacher Products GmbH
Lorscher Straße 13
68642 Bürstadt

Phone: +49 6206 13445
office@bacherproducts.de

www.bacherproducts.de

