

***Maintenance equipment
for artificial turf***



Maintenance equipment for artificial turf

Regular care is the most important prerequisite for the long lasting use of any filled artificial turf.

From the very beginning, the artificial turf is subject to environmental influences. Dust, pollen, leaves, plant debris, dirt, small stones, animal waste and wear debris - if not regularly removed- will soil and thus compact artificial turf. This will result in inadequate water permeability, algae and moss buildup, which in turn will compromise the playability of the turf. Impermeable grease layers arise, increasing slip hazard. At the same time, the ball will lose its ability to bounce, which significantly impacts the game. But also rubbish such as paper, cigarettes, glass splinters, plastic pieces, safety pins, bottle caps does not only look untidy but bears a great potential for injury.

In order for you to be able to perform the necessary maintenance work quickly and safely, Wiedenmann has developed a series of special artificial turf care machines. Artificial turf care machines that make both the synthetic surface and your maintenance budget look good.



Maintenance equipment

TERRA CLEAN

The semi-supported TERRA CLEAN is attached to the rear 3-point CAT I hitch of the vehicle. The working depth is adjusted through slotted distance rings on the front jockey wheels, which are lifted over the tractor's 3-point hitch for transportation.

The rubbish is removed by a special PTO- driven sweeper brush that throws the dirt and some of the surface filling material into a large screen. The screening process separates the dirt from the filling material so it can be used again. The filling material is returned to the turf pile immediately after the screening process. The floating drag brush, which is part of the machine's serial equipment, distributes the re-deposited filling material and evens out any tracks left on the ground.



For the quick and efficient collection of surface debris such as leaves, paper, seeds from trees, glass splinters, plastic pieces, and other types of debris.

TECHNICAL DATA

Dimensions L/W/H in cm:	230 / 150 / 120
Working width in cm:	120
Drive:	540 RPM
Transport width in cm:	150
Hitch (semi-supported):	Rear 3-point hitch Cat. I
Container volume in litres:	100
Rear tyres:	11 x 7 - 4 AM
Front tyres (jockey wheels):	11 x 7 - 4 AM
Air pressure:	3,1 bar
Engine power required:	from approx. 9 kW (approx. 12 HP)
Weight in kgs:	360



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TERRA BRUSH

The TERRA BRUSH has several options available for attachment to the rear 3-point hitch of a tractor or as a trailed version with hitch for use with e.g. utility vehicles. The brush can be lifted electrically or hydraulically.

The special zigzag alignment of the individual brushes achieves an even distribution of the filling material, thus improving the ball's runnability and reducing the risk of injury. Depending on the type of turf, you can choose between hard or soft special bristles. If necessary, the TERRA BRUSH can also be equipped with spring tines to loosen and level the field in one pass.



For brushing in sand and rubber granules, straightening artificial turf fibres and levelling the surface.

TECHNICAL DATA

Length 3-pt. / tow in cm:	110
Height in cm:	72
Working width in cm:	187
Transport width in cm:	187
Attachment:	Tractor rear 3- point hitch or trailed (Tyres 16 x 6.50-8/4 PR)
Lifting of trailer:	hydraulic (min. 140 bar) or electric
Weight – 3 point attachment in kgs:	110
Weight – trailer version in kgs:	160
Option – spring tines for base unit:	•



TERRA TOP 400

The TERRA TOP 400 is attached to the rear 3-point hitch of the tractor. Alternatively the TERRA TOP 400 is also available as a trailed version with four tyres, floating axle and hitch. The TERRA TOP 400 features with its sturdy construction and reliability. The metering roller is made of steel and thus wear-resistant and requires very little maintenance. The special correlation of the metering roller and the brush roller produces a very even distribution pattern. The rotating brush roller tosses the sand or the granules accurately downward onto the turf pile.

Metering roller, brush roller and agitator are driven by means of a PTO-shaft with overload clutch. All drive elements are sealed off against the penetration of sand.



For the accurate and even spread of sand or rubber granules on artificial turfs.

TECHNICAL DATA

Working width in cm:	135
Transport width in cm:	160
Drive:	PTO 540 RPM
Container volume in litres (approx.):	400
Container volume + hopper extension (option) in litres (approx.):	800
Loading height 3-pt. attachment in cm (approx.):	90
Loading height with hopper extension in cm (approx.):	120
Loading height with bogie wheels in cm (approx.):	127
Loading height with bogie wheels and hopper extension in cm (approx.):	157
Metering roller:	Ø 230 mm
Tyres (option) approx.:	18 x 8.50 - 8/4 PR
Weight, empty without bogie wheels in kgs (approx.):	300



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Maintenance instructions!

As time goes by, artificial turf is exposed to many influences. With our machines the fields are brushed during cleaning, the fibres are loosened, and the turf is refilled. After this, the artificial area are restored to almost new condition and again ready for play.

- Maintenance of the playable characteristics
- Maintenance of water permeability – quick return to playing after rain
- Prevention of moss and weed accumulation
- Keeping the turf elastic – goes easy on the joints and ligaments of the players
- Increased pleasure in playing
- Increases the service life of the turf

Maintenance interval

TERRA CLEAN

As soon as surface debris (e.g. leaves, seeds from trees, stones, bottle caps, etc.) is noticed. Can be used several times per week.



Maintenance interval

TERRA BRUSH

For frequent playing, at least once a week. Daily use is possible. Use spring tines only for heavily compacted areas.



Maintenance interval

TERRA TOP 400

Refill with appropriate filling material as soon as the filling height falls below the given level.



Descriptions and illustrations are non-binding. We reserve the right to make changes to design and model.

No guarantee is assumed for the accuracy and suitability of the maintenance recommendations in individual cases. All maintenance activities should be discussed with the manufacturers of the turf.

Care of artificial turf

Frequency of the individual maintenance activities

- Depending on the surroundings, degree of soiling, condition and age of the artificial turf.
- A generalised procedure is not recommended

Notes for driving on artificial turf

- Use turf tyres!
- Low speeds improve the result of the job!
- Do not turn sharp in small radiuses!
- Always drive in the direction the turf was laid. Avoid crossing the seams.
- Perform maintenance work only when the field is dry.



Non-binding maintenance recommendations for the use of Wiedenmann products on artificial turf.

These recommendations have been made according to the best of our knowledge in accordance with the present state of technology at the time of publication.

It is, however, mandatory, that the suitability of the maintenance products for the respective artificial turf is verified with the turf manufacturer or field constructor.

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