**Flex-Silo**

Innovative movable silage concept using system components

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**Flex-Silo - A new and innovative movable silo concept**

Flex-Silo is made entirely out of non-corrosive materials. The silo walls are made of a number of elements which are fixed together in layers. The outer casing of the system components is made of recycled PE and thereby resistant to UV light as well as corrosion. The entire construction is then filled with concrete. Thanks to the geometrical design, developed by Schmack, the foundation does not need any connecting elements. Even though the partition walls are only 1 metre high, a silage height of approx. 9 metres is possible.

Seepage fluid and effluent can be channelled away separately from rain water. The said fluids drain through gaps between the silo stones into the non-corrosive, plastic effluent tank. From there they can be conveyed to the biogas plant or to the digestate storage tank.

The rain water drain (mounted gutter) is located above the effluent discharge, thereby eliminating the possibility of its being polluted. After that it can be stored or allowed to seep in to the ground.

**The benefits at a glance**

- Reliable compliance with current and future water protection regulations.
- Simple construction on a closed blacktop in the silage area.
- Liquid effluent and rain water on two separate levels so no pollution of the rain water.
- No ground drains that can be blocked, no adjustment gates, thereby easy to use.
- No unprotected concrete in contact with the acidic effluent.
- In the event of damage, the separate building elements can be replaced.
- Easy to fit even on difficult terrain thanks to flexible angle formation.

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* Mistakes, printing errors and changes excepted. The information is consistent with the knowledge available at the time of printing.*