

## Inner linings AR-SM for rainwater harvesting



### Benefits

- For modern, hygienic rainwater storage tanks
- Easy and fast mounting by means of powerful neodymium magnets
- Perfectly fitting, robust PVC lining
- For all cylindrical or rectangular steel DIN tanks
- Operation without vacuum type leak detector, no pressure, no current

### Application

For conversion of cylindrical steel DIN tanks such as decommissioned fuel oil tanks, diesel tanks or storage tanks into reliable, high-grade rainwater storage tanks. No pressure or flow required. The rainwater inner lining AR-SM with magnets is suitable for storing rainwater in cylindrical steel tanks (3,000 to 50,000 litres).

**Please note:** In the case of coated steel tanks, verify that the attractive force of the magnets is sufficient.

### Versions

Tank volume	Part no.
3,000 l	43889.003
5,000 l	43889.005
7,000 l	43889.007
10,000 l	43889.010
13,000 l	43889.013
15,000 l	43889.015
16,000 l	43889.016
20,000 l	43889.020
25,000 l	43889.025
30,000 l	43889.030
50,000 l	43889.050

Blue part no. = in-stock items



## Description

The new rainwater inner lining AR-SM with magnets allows owners to convert a decommissioned steel tank into a rainwater storage tank with very little effort. Please note: In the case of coated steel tanks, verify that the attractive force of the magnets is sufficient.

The rainwater inner lining AR-SM is a PVC lining with flat, round, extremely powerful neodymium magnets welded into lateral and top areas. The lining is reliably held at the inner wall by the magnets - no pressure or flow are required inside the tank. A tank can be conveniently converted into a rainwater storage tank: First, the tank is measured and then a precisely fitting lining is manufactured. The tank is prepared on the basis of a defined procedure (thorough cleaning of the tank, corrosion checks, etc.); depending on the condition of the tank, a fleece layer is placed on the tank floor for impact protection.

Then the lining is fitted in the tank and inflated by means of a blower; if necessary, the final fit is achieved by means of a vacuum pump. When the PVC lining is inflated, the magnets click into place exactly where planned. The fit of the PVC lining is checked and then it is fastened in the manhole by means of a fastening ring. The tank is ready for storing rainwater immediately after the lining has been installed.

## Technical specifications

### Scope of delivery

Rainwater inner lining AR-SM, made of plastic film Sikaplan® WP5140-08 black, film thickness 0.8 mm, for closed tanks, with all neodymium magnets welded into the film in the lateral and top areas, with film flange for the standard fastening ring.