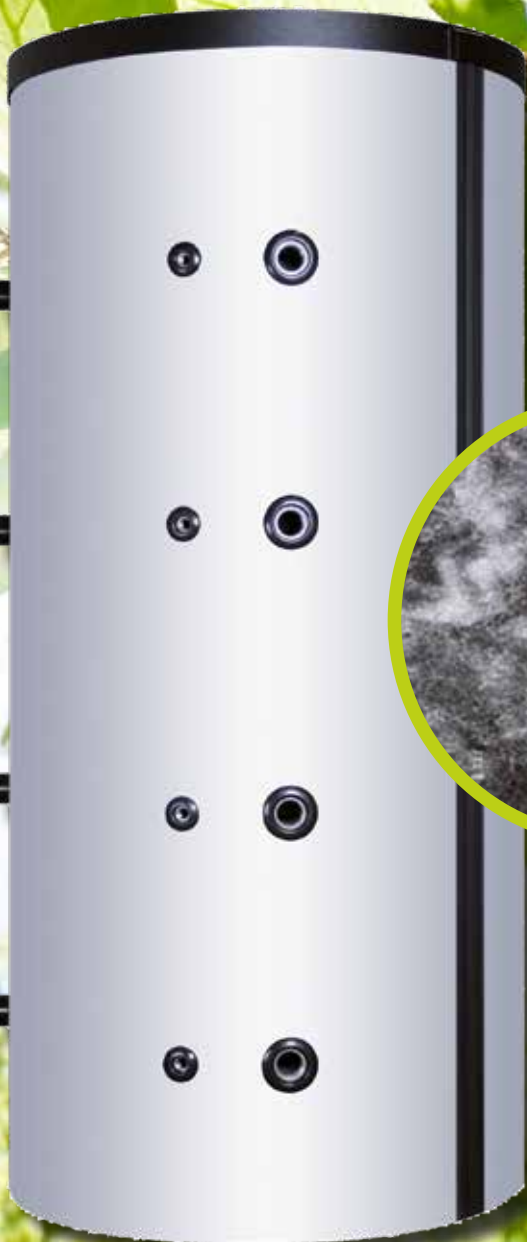




High-efficiency insulation

ECO SKIN 2.0



UP TO

47%
Energy-
savings

THANKS TO
PERFECT FIT

ECO SKIN 2.0

High-efficiency insulation

ECO SKIN fleece insulation is an innovative insulation for large and buffer storage tanks that clearly stands out from other fleece insulations. A major advantage of ECO SKIN insulation for hot water storage tanks is its high thermal insulation capacity. The material consists of a special nonwoven made from recycled PET bottles and is therefore environmentally friendly.

This nonwoven material is able to retain heat inside the hot water tank and thus minimise energy loss. As a result, the overall energy consumption of the household can be reduced.

The snug behaviour of the ECO SKIN 2.0 insulation and the cover caps save you money and reduce unnecessary CO2 emissions. In total, both products reduce the heat loss of a 1000 litre buffer cylinder by 47% (compared to the soft foam insulation previously offered). In this way, the hot water cylinder can work more efficiently and thus support a more sustainable future.

PRODUCT ADVANTAGES

- Up to **47%** better thermal insulation*
- Increased savings (up to € 3,500) over the lifetime of a lifetime of a 1000 litre cylinder
- Additional floor insulation
- Significantly improved connection situation
- Perfect hold of the rosettes and cover caps
- Easier and quicker installation even at low temperatures
- Environmentally friendly (100% recyclable; 70% recycled material)
- Perfect fit, therefore no chimney losses
- Insulated connection caps
- High-quality packaging with carrying handles
- Saves storage space (one common insulation for 3 storage tank types PSM / PSR / PSRR)

AE-PACKAGE

- Everything from a single source - buffer storage and the associated insulation material
- Short delivery time
- Meets EU requirements
- Outstanding ones
- Technology and design

* for PSM 1000 compared to soft foam insulation

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The Fleece

ECO SKIN 2.0 uses polyester fleece, which has excellent properties and is used in the textile industry, for example, for the production of pleasantly warm, skin-friendly fleece jackets.

Another point that has a significant influence on the efficiency of insulation is the processing of the connections.

The engineers at Austria Email AG have developed a special production process for ECO SKIN 2.0 in order to maximise the effect of the thermal insulation.



ISOLATION CAPS

Storage systems for alternative energy applications in particular have a large number of connections. But not all of them are actually connected to other components - valuable energy is lost if these connections remain uninsulated.

Austria Email has developed insulating caps for the connections to save additional energy. Easy to install - easy to remove if something needs to be connected later.

All required rosettes and insulating caps are already included in the scope of delivery.

The infrared images show the significant improvement in thermal insulation in the area of the connections



Heating connection without cover cap



Infrared image without cover cap



Heating connection with cover cap



Infrared image with cover cap

ECO SKIN 2.0

Simple installation



Simple installation under all temperature conditions!

Not all common types of insulation are easy to install. Problems often occur, especially at low temperatures on the construction site. With ECO SKIN 2.0 insulation, installation and handling are particularly easy because:

- The material is very easy to compress, regardless of the processing temperature. Installation is even possible in sub-zero temperatures.
- The fastening hook strips can hardly be damaged even with resolute handling, in contrast to the zip fastener, which is easily damaged or even bursts open. Thanks to the two-stage hook strip, tensioning can be carried out in several steps (hooking in and then retightening). Possible readjustment of the insulation is therefore also no problem.
- The softer material means that manufacturing tolerances are better compensated for and the fleece moulds around the connections even if the perforation and connection are not exactly congruent.
- The ECO SKIN 2.0 packaging is equipped with a carrying handle, which makes transport much easier.
- Thanks to the introduction of a new predetermined breaking point, it is possible to install the rosettes only after connection to the pipe.



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