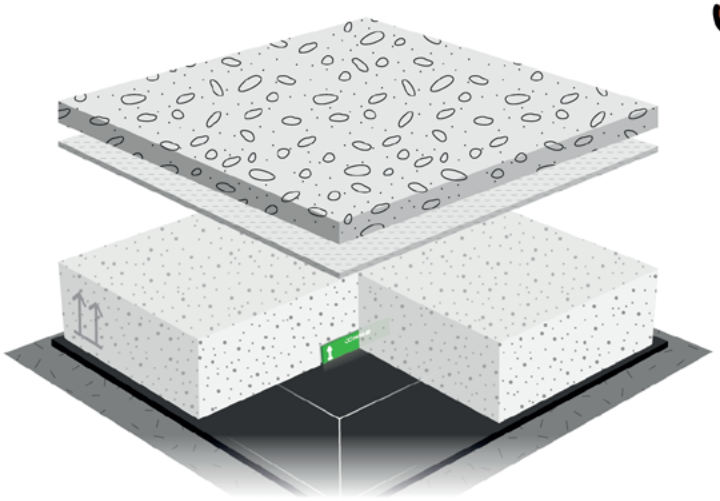
HUM-ID

As of 02 /2019



Quick guide

Before installation | Installation of sensors | Laying the panels | Controlling the sensors

1 Before the installation

Installation only in dry constructions!

Do not place sensors under metal covers!

Do not install under intensive* vegetation

* **Restrictions** for reading-in and reading-out apply to all kinds of substrates with metal-containing contents such as e.g: **Lava, residues from fossil combustion** or **basalt.**

- Short-term temperature resistance **up to 180 °C**.
- Sensors are **pressure resistant**.

- Sensor signal **does not penetrate metal!**
- Sensors must **not be flamed!**

In order to guarantee the functionality of the sensors, the **information on installation and placement must be taken into account**.
The sensors must be **placed upright**, in the **underside of the insulation** (not in the joint) and if possible **in the same orientation**.

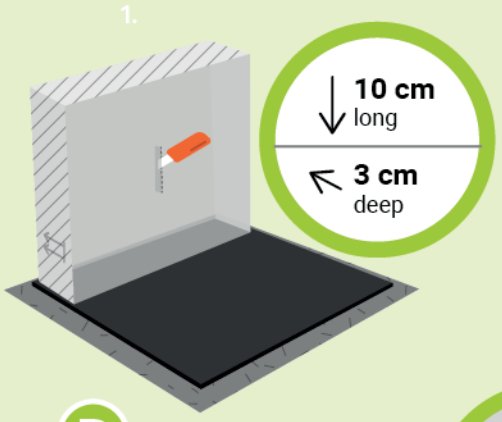
The initial control of the sensors should take place **immediately after applying** the seal (see 4.)

2 Installation of the sensors

EPS / XPS / PUR / PIR / Mineral wool

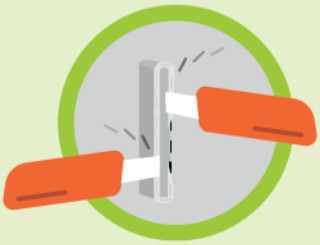
A

Cut the slit in the middle of the underside of the insulation.



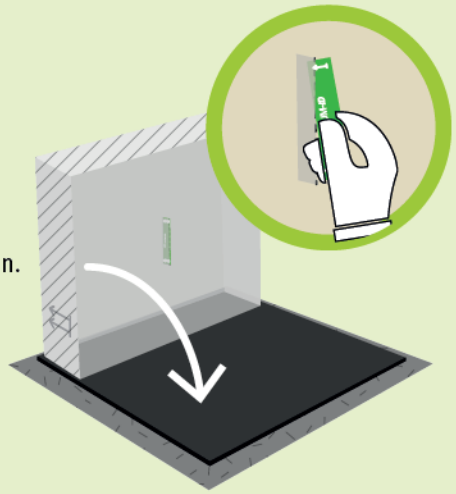
B

Chamfer the edge of the slit on both sides (cut off sides and edges).



C

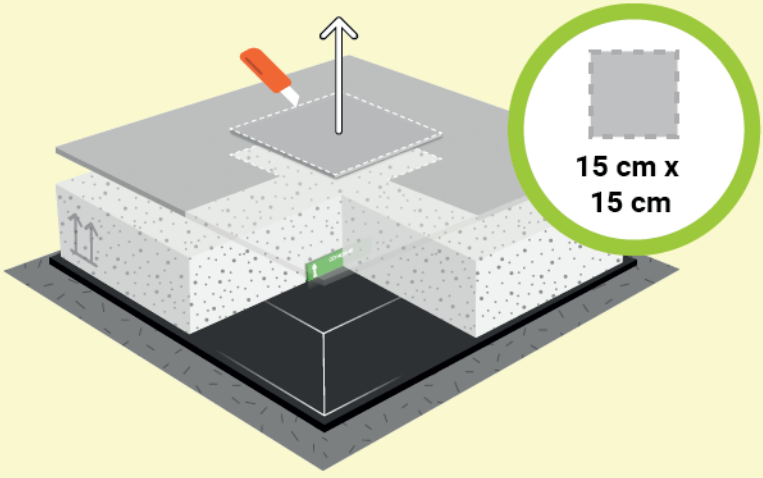
Push the sensor flush into the slit in the direction of the arrow and turn the insulation.



Aluminium-laminated insulation

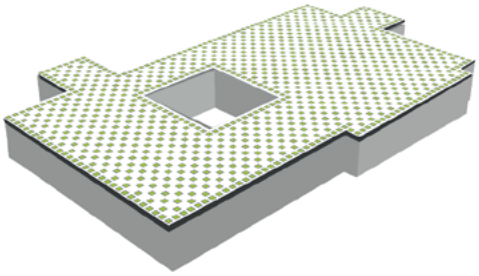
D

In addition to steps A-C, a piece of aluminium lamination measuring at least 15 x 15 cm must be removed above the sensor.

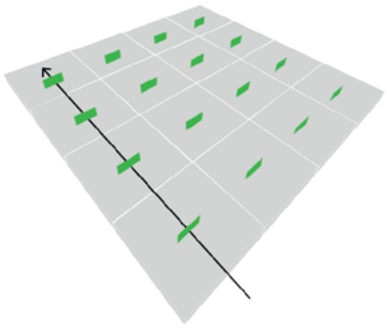


3 Laying the panels

A **Apply the sensor panels according** to the given sensor pattern, note deviations from the pattern/the laying plan separately.



B Ensure that the sensors are always aligned in the same way across the later running direction. **TIP:** You can orient yourself by the welding seams.



The initial control of the sensors must take place **immediately after applying the seal!**

4 Control performance

A

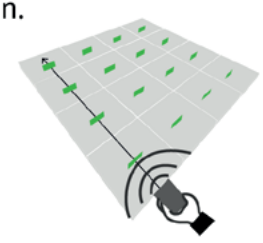
Before each control, remove all unused sensors and all other RFID chips from the construction site.

B

Warm roofs without load: Eliminate all puddles on the seal.

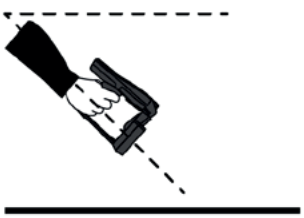
C

The running direction during the scanning process is in rows according to the laying grid, whereby the sensors lie transverse to the running direction.



D

Point the scanner at the roof at a 45° angle, avoiding excessive lateral swivelling movements.



Scan the sensors **at a moderate speed** and follow the instructions of the app/the software.

Still have questions? Just give us a call!

Service Hotline:
+49 30 683 204177
www.hum-id.com/**faq**