ISO 3 · RF Shielding Wallcovering

General instructions

- Read the entire instructions carefully before any installation work.
- Follow each step strictly to ensure the effectiveness of the RFID shielding.
- The user is responsible for the correct application of the product.

Fundamental principle

To obtain effective RFID shielding, the surface separating the two RF zones must be treated continuously.
It is the continuity of this surface, and not the material alone, that produces the result.
Any untreated surface constitutes an opening in the barrier, whatever its size.
Essential rule: mandatory overlap between strips of 2 cm minimum.

Installation on walls and ceilings

- Remove protruding items and fittings mounted in front of the wall wherever possible (electrical sockets, shelves, racking, etc.).
- Where an item cannot be removed, treat the wall as close to it as possible. If it conceals a significant surface and is not itself a solid metal surface, treat its stockroom-side face.
- Prepare and sand the surface.
- Recommended adhesives: METYLAN OVALIT TM (18 kg), Caparol CapaColl GK, Gewebe Kleber (16 kg), EUKALIN 1977 S. We recommend these adhesives for their strong adhesion, both to the substrate and between strips.
- Ensure an overlap of each strip of at least 2 cm.
- Install the wallcovering from the floor up to the suspended ceiling. Where this is not possible, or where there is no suspended ceiling, extend the treatment at least 1 m above the highest point of the stored items.
- Provide a return of at least 10 cm onto adjacent untreated ceilings or walls, wrapping the corners. No butt joint may be made in a corner.
- Smooth carefully as you go to remove any air bubbles.

Treatment of doors

- Prepare the door and the frame: cleaning, washing down and sanding if necessary.
- Apply the adhesive over the entire surface to be treated.
- Install the ISO 3 on the stockroom side, on the flat surfaces of the door and the frame.
- Unroll the wallcovering from top to bottom, smoothing progressively.
- Ensure continuity of the treatment between the door, the frame and the adjacent wall.
- Solid metal door: requires no additional treatment.

Ducts and pipes

- Metal ducts and pipes do not need to be covered. Nevertheless treat the wall behind them where it is accessible.
- For non-metal items, treat the wall behind them where access allows correct installation.
- If there is insufficient space, cover the stockroom-side face of the item and ensure continuity with the wall on either side.
- Where a partition is crossed, wrap the duct or pipe with ISO 3 over at least 20 cm on the stockroom side, ensuring continuity with the treatment of the wall.

Sinks and plumbing

- Remove any sink fixed against a wall to be treated in order to install the ISO 3 continuously behind it.
- Treat the wall behind the plumbing on all accessible parts.
- Do not cover the stainless steel bowl or a solid metal splashback.
- Ensure continuity of the ISO 3 around these items with the rest of the wall.

By following these instructions, you ensure optimal RFID isolation with the ISO 3 wallcovering.