

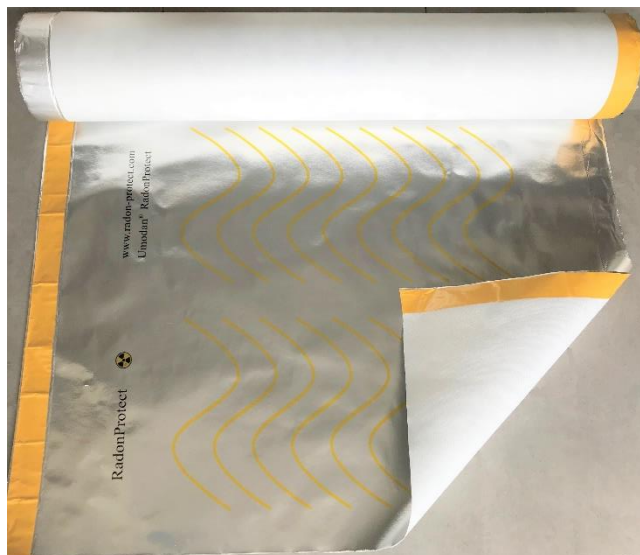


Umodan® RadonProtect PREMIUM Film

www.radon-protect.com

Tested vapor barrier and radon gas protection film
Fleece-laminated on the underside, with self-adhesive strips

Manufacture: WIKA Isolier- und Dämmtechnik GmbH, Germany Sales, measurement technology, concept planning: Dipl. Biol. Pamela Jentner, OrangePep GmbH & Co.KG, Germany Technical data: as of 01.01.2023	
Structure of Umodan®RadonProtect-PREMIUM: PE film Aluminum foil PE film Fleece lamination PP spunbond Total thickness: approx. 0.8 mm sd value: 1,500 m, Fire class E (B2) Weight: approx. 300 g/m ² , approx. 20 kg/roll Self-adhesive strips, both sides: approx. 50 mm wide	Delivery form Umodan®RadonProtect-PREMIUM film: 1 roll 1.20 m wide, 50 running meters = 60 m ² 1 pallet 20 rolls, 1,200 sqm Certificated: DIN EN 13967 Plastic membrane for sealing buildings against rising soil moisture DIN EN 13984 vapor barrier membrane product type A Load case DIN 18195-4 (W1.1-E), DIN 18533-1 (W1.2-E) Tested radon gas tightness of the integrated Umodan® RadonProtect film including self-adhesive function (overlap)
OPTIONAL: Wikaflor protective fleece, Polyester fleece 200 g/m ² , thickness approx. 1mm Color greenish	Delivery form Wikaflor protective fleece: 1 roll: 1 m wide, 60 running meters = 60 m ² , approx. 15 kg Features: tear-resistant, drill-resistant, durable
Use of Umodan®RadonProtect-Premium: Effective protection against radon. Easy, time-saving processing thanks to self-adhesive strips integrated on both sides. The RadonProtect Premium film is laminated on the underside with a special fleece. According to the manufacturer's instructions, lay the foil strips with an overlap of 5 cm and connect them firmly to each other with the self-adhesive edge strips. Bond to components or masonry in a radon gas-tight manner. Pay attention to clean, professional processing. Avoid mechanical damage. Optionally, the Wikaflor protective fleece can also be used.	



RadonProtect-PREMIUM Film: Roll 60m², 1.20 m x 50 m, with self-adhesive edge strips, fleece-laminated underside



The film strips are glued together using the self-adhesive strips integrated on both sides

Processing the Umodan® RadonProtect-PREMIUM film:

The **RadonProtect-PREMIUM** film is rolled out with the printed side facing upwards. The film strips are laid with an overlap of approx. 5 cm and firmly glued together using the self-adhesive strips integrated on both sides. For foil cuts that do not have a self-adhesive strip, the self-adhesive RadonProtect assembly tape can be used to connect the foil parts on the top side of the foil, see below. Mechanical damage must be avoided at all costs. No cracks, joints, holes! Before further layer construction, a visual inspection of the **RadonProtect-PREMIUM** film must be carried out and any damage that may be present must be completely removed. The self-adhesive RadonProtect mounting tape is suitable for sealing smaller perforations. In the case of larger damage, an additional piece of **RadonProtect-PREMIUM** film of the appropriate size should be stuck gas-tight to the relevant areas using RadonProtect mounting tape.

For connections to penetrations, sleeves can be formed from RadonProtect-PREMIUM film. The sleeve must be connected to the penetration in a gas-tight and moisture-tight manner. To connect to components, the film is guided up the component and bonded to the component using the Murexin special adhesive X-Bond MS-K88 Express. If necessary, the self-adhesive RadonProtect mounting tape can also be used to connect to smooth, clean PE pipes.

Suitable adhesives

- The special adhesive X-Bond MS-K88 Express from Murexin is recommended for connections, e.g. on walls, drains, penetrations, etc.
- Existing buildings: If the RadonProtect-PREMIUM film is to be glued to the entire surface of the subsurface, quick-setting cementitious tile flex adhesives, parquet adhesives, hybrid adhesives, polyurethane adhesives, resins can be used in accordance with the applicable standards.

New construction: Application under floor slabs In new building projects, the RadonProtect-PREMIUM film should preferably be installed under the floor slab. The exact placement of the RadonProtect-PREMIUM film (e.g. under or on the insulation/insulation) must be coordinated with the responsible architect. It must also be clarified whether a supernatant is desired. The entire system structure protrudes approx. 1 m beyond the planned floor plate on each side. It is important to ensure that any moisture that may occur is always directed away from the house.

Existing buildings: Application on floor slabs When carrying out renovation work, it makes sense to install the RadonProtect-PREMIUM film on the existing concrete slab below the floor structure. The RadonProtect-PREMIUM film must be pulled up above the horizontal moisture barrier on the walls. The entire surface should be glued to the wall using Murexin special adhesive X-BOND MS-K88 Express.

Application under screeds: The **RadonProtect-PREMIUM** film should be installed shortly before laying the screed. Care must be taken to ensure that no damage such as holes, perforations and cracks are caused by construction activities.

Note: All work steps must be coordinated with the responsible architects and specialist planners. The specialist company carrying out the construction is solely responsible for the professional installation of the RadonProtect film. All information contained therein is based on experience under normal conditions. This is not a legally binding guaranteed property. Our application and processing instructions are intended to support our customers when using the product.

Note: This page is a layman's translated version of the German data sheet. We assume no liability for any translation errors.

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