ORCON® F

All-round adhesive sealant for interior and exterior use



Technical data

	Material
Sealant	Dispersion based on acrylic acid copolymers and ethanol. Free from plasticisers, halogens
Cartridge	PCR (100% recycled)

Property	Regulation	Value
Colour		Green
Bond durability, non-aged/aged	BS EN 17990	Passed
Elasticity		High elasticity
Application temperature		-10 °C to 50 °C
Temperature resistance, permanent		-40 °C to 80 °C
Storage		Down to -20 °C, cool and dry
Passive House Certification	Passivhaus Institut	phA

Areas of application

- Creation of airtight seals for vapour control and airtight membranes of all kinds, including all pro clima vapour control membranes and airtight membranes (e.g. INTELLO, INTELLO X, DB+, DASATOP and DA).
- Creation of windtight seals for roofing underlay membranes of all kinds (PP, PET). Sealed joints with the SOLITEX MENTO series, SOLITEX QUANTHO, SOLITEX ADHERO or SOLITEX UM connect, for example, meet the requirements specified by the German ZVDH product data sheets.
- Creation of windtight seals for breather membranes (e.g. SOLITEX FRONTA series).
- Sealing overlaps and joints for trickle protection membranes.

Supply forms

Art. no.	Variant	Contents	Coverage	Weight	Sales unit	Container	GTIN
10106	Plastic cartridge	0.31 l	5 mm bead: ~15 m; 8 mm bead: ~ 6 m	0.376 kg	20	1200	4026639016270
10107	Foil cartridge	0.6 l	5 mm bead: ~30 m; 8 mm bead: ~12 m	0.625 kg	12	720	4026639016287

Advantages

- ✔ Reliable adhesion even in cold conditions: can be worked with down to –10 °C
- ✔ Particularly durable: adhesion for 100 years, independently tested and confirmed
- ✔ Ensures strong, permanently elastic adhesion
- ✔ Creates reliable joints: penetrates deep into the subsurface, remains flexible
- ✔ Test winner in the German 'Stiftung Warentest' product test in April 2012
- ✔ Standards-compliant construction: for airtight sealing in accordance with DIN 4108-7, SIA 180 and RE 2020
- ✔ Can be stored down to -20 °C. Material does not freeze in the tube
- ✔ Excellent values in hazardous substance testing, has been tested according to the ISO 16000 evaluation scheme

Substrates

Clean subsurfaces before applying adhesive. Mineral surfaces (plaster or concrete) may be slightly moist. Adhesion is not possible on frozen surfaces. There must be no water-repellent substances (e.g. grease or silicone) on surfaces to be sealed. Subsurfaces must have sufficient stability – if necessary, a mechanical support (pressure lath) must be used (e.g. on crumbling subsurfaces).

Permanent adhesion is achieved on all pro clima internal and external membranes, on other vapour control and airtight membranes (e.g. those made of PE, PA, PP and aluminium) and on other underlay and breather membranes (e.g. those made of PP or PET). Seals can be created on mineral subsurfaces (e.g. plaster or concrete), roughly sawn or planed wood, and hard wood-based panels (chipboard, OSB, plywood, MDF panels).

Particular care is required when working on older or multi-layer substrates. It is your responsibility to check the suitability of the subsurface; adhesion tests may be necessary in certain cases.

General conditions

The adhesive joints created must not be subjected to tensile forces.
The product achieves its final level of strength only when it has dried. This should be taken into account if airtightness measurements are to be carried out or if blown-in insulation material is to be installed directly after application of this adhesive. It may be advisable to implement protective measures such as mechanical reinforcements in the case of subsurfaces that have insufficient stability.
Ventilate continuously and systematically to prevent the build-up of excessive humidity; use a dryer if necessary.

The applications and conditions described here are based on current research findings and practical experience. We reserve the right to change the recommended application designs and installation methods and to develop and thus change the properties and quality of individual products. We would be glad to inform you about the current state of engineering knowledge at the time that your installation is carried out.

The planning documentation that is available from pro clima provides further information about installation methods and design details. If you have questions, please contact pro clima Technical Support in Ireland and the UK:
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For over 20 years, Ecological Building Systems has been at the forefront of environmental and sustainable building products supplying a range of innovative airtightness solutions and natural insulations backed up with expert technical support.

As product suppliers in the UK and Ireland, we're happy to assist you with your projects and have expert technical and sales advice on hand.

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