ORCON® CLASSIC

Solvent-free all-round adhesive sealant for interior and exterior use



Technical data

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

Property	Regulation	Value
Colour		Light brown
Bond durability, non-aged/ aged	EN 17990	Passed
Elasticity		High elasticity
Application temperature		-10 °C to 50 °C ; 14 °F to 122 °F (adhesive temp. >0 °C; >32 °F)
Temperature resistance, permanent		-40 °C to 80 °C ; -40 °F to 176 °F
Storage		Down to -20 °C; -4 °F, 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 sub-roof underlay membranes from the SOLITEX WELDANO series.
- Creation of windtight seals for breather membranes (e.g. SOLITEX FRONTA series).
- Sealing overlaps and joints for trickle protection membranes.
- Membranes will adhere to this adhesive sealant when it is wet or when it has already dried.

Supply forms

Art. no.	Variant	Contents	Coverage	Weight	Sales unit	Container	GTIN
12769	Plastic cartridge	0.31 l	5 mm ($^3/_{16}$") bead: ~15 m (50'); 8 mm ($^5/_{16}$") bead: ~ 6 m (20')	0.39 kg	20	1200	4026639127693
12770	Foil cartridge	0.6 l	5 mm ($^3/_{16}$") bead: ~30 m (100'); 8 mm ($^5/_{16}$") bead: ~12 m (40')	0.75 kg	12	720	4026639127709

Advantages

- ✔ Contains no solvents
- ✔ Durable: can also be stored during frosty conditions; can be worked with when it thaws out again
- ✔ Can quickly be subjected to loading: dries quickly and penetrates deep into the subsurface
- ✔ Ensures strong, permanently elastic adhesion, remains very flexible
- ✔ Standards-compliant construction: for airtight sealing in accordance with DIN 4108-7, SIA 180 and RE 2020
- ✔ 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 and PET). Seals can be created on mineral subsurfaces (e.g. plaster or concrete), roughly sawn, planed or painted wood, hard plastics or rustproof metal (e.g. pipes, windows etc.) and hard wood-based panels (chipboard, OSB, plywood, MDF panels).

Adhesion with dry adhesive sealant
This method can be used if one or both components to be sealed are non-absorbent or have low absorbency (e.g. PE sheet on concrete). The adhesive sealant should first be allowed to dry for 1-2 days; the membrane can then be pressed onto the dry sealant and will adhere immediately. (Avoid formation of large quantities of dust during the drying period.)

pro clima®

Particular care is required when working on older or multi-layer substrates. Check the suitability of the subsurface; adhesion tests may be necessary in certain cases. Pre-treatment with TESCON PRIMER RP or TESCON SPRIMER is recommended in the case of subsurfaces that have insufficient stability. The primer and adhesive sealant should be allowed to dry fully before a membrane is applied. Protect the bead of adhesive sealant against dust while it is exposed.

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 Germany at +49 6202 278245.

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