

CONTEGA HF



Ultra-low VOC, highly elastic multi-purpose air and watersealing adhesive

BENEFITS & PROPERTIES

Highly elastic air and watertight adhesive for interior and exterior sealing of ProClima membranes and common building materials.

- Reliable adhesion even during colder weather: can be worked with above 14 °FC (-10 °)
- Long term elasticity combined with exceptionally high strength and resistance to tension
- Independently tested and confirmed for 100 years adhesion
- Can be stored down to >-4 °F (-20 °C) thanks to minized ethanol content
- Low VOC per SCAQMD limits
- LEEDV4 passed CDPH v1.2 for Private Office and School Classroom (PO and SC)
- Living Building Challenge RED list free
- Excellent values in hazardous substance testing, has been tested according to the ISO 16000 evaluation scheme

SIZES & DIMENSIONS

CONTAINER	VOLUME	BEAD	COVERAGE
Cartridge	10.5 oz (310 ml)	3/16" (5 mm) 5/16" (8 mm)	50' (15m) 20' (6m)
Sausage	20.3 oz (600 ml)	3/16" (5 mm) 5/16" (8 mm)	100' (30m) 40' (12m)

TECHNICAL DATA

Color	Green
Material	Dispersion based on acrylic acid copolymers and ethanol. Free of surfactants and halogens
Application Temperature	14 °F to 122 °F (-10 °C to 50 °C) Adhesion to frozen objects is not possible
Long-term temperature range	-40 °F to 176 °F (-40 °C to 80 °C)
Minimum storage temperature	>-4 °F (-20 °C), cool and dry



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CODE COMPLIANCE

NBC 2020- 9.36.2.9 Air Barrier Systems	Passed air leakage <0.02 L/(s·m ²) @75 Pa (ASTM E2357)
Passive House Institute Certification	Class A component as part of the INTELLO PLUS airsealing system
Airtightness (ASTM E2357)	<0.008 cfm/ft ² at 75 Pa <0.05 L/sm ² at 75 Pa

APPLICATION & SUBSTRATES

Before application, substrates should be brushed off or wiped clean. Uneven mineral substrates may need to be levelled with a smooth finish. Adhesion to frozen surfaces is not possible. There must be no water-repellent substances (e.g. grease or silicone) on materials to be bonded. Substrates must be sufficiently dry and have sufficient load-bearing capacity

CONTEGA HF is used for creating air and watertight connections with Pro Clima membranes (SOLITEX MENTO, FRONTA QUATTRO/HUMIDA, ADHERO, and INTELLO X), as well as other WRB's and roof underlayments. It's also ideal for achieving airtight connections of Pro Clima membranes such as INTELLO PLUS, DB+, and other vapor retarders/airtight construction materials like OSB, plywood, metals, and plastics.

The adhesive can bond to planed and painted wood, high-density plastic, metal (e.g., pipes, windows), and hardboard (chipboard, OSB). For rough and uneven substrates like concrete, brick, Foamglas, or splintering/oily OSB, prep with TESCON PRIMER RP before taping.

Achieving the best results requires high-quality substrates, and it's the installer's responsibility to ensure substrate suitability, with adhesion tests recommended in certain cases. When dealing with substrates with insufficient load-bearing capacity, pretreatment with TESCON PRIMER RP is advised.

GENERAL CONDITIONS

The connections should not be subjected to tensile strain. After sealing the airtight/vapor retarding membranes, the weight of the insulating material must be borne by mechanically fastened battens. The adhesion should be supported by battens if necessary. Adhesive reaches final strength within 48 hours. Avoid excessive humidity in structure by ventilation or using a dehumidifier during construction. Apply a bead of adhesive that is a min. 3/16" (5 mm) thick. Apply membranes, leaving slack to allow for expansion. Do not press the adhesive completely flat so as to allow for movement between components.

Note: Product might be labeled/referred to as ORCON-F in international documentation as this is the German trade name.

