

CONTEGA HF



Ultra-low VOC, highly elastic multi-purpose airsealing adhesive

BENEFITS

All-around adhesive for interior and exterior connections between vapor retarders and uneven substrates and/or difficult junctions. Exceptionally high adhesion properties while also remaining elastic. Permanent interior and exterior adhesion of all Pro Clima membranes and PP-,PE, PA-, and Aluminum foils to substrates (wood, brick, concrete). Sets in 48 hours to full strength. Works on damp substrates, water resistant connection. Good for uneven and porous substrates as it forms to, and penetrates into the substrate.

PRODUCT PROPERTIES

- Long term elasticity combined with exceptionally high
- strength and resistance to tension
- No permanent clamping needed on load-bearing substrates
- Penetrates deep into materials - difficult junctions or uneven materials
- Can be stored below freezing thanks to minized ethanol (alcohol) 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



SUBSTRATES

CONTEGA HF bonds to a variety of substrates including wood, sound concrete (not dusting), sound masonry, painted surfaces, high density plastic, metal (pipes, windows etc.), chipboard, OSB, veneers, and more. Any porous, or unstable surfaces requiring reinforcement may require priming with Tescon Primer RP before application of CONTEGA HF. This includes “dusting” concrete, loose-surfaced masonry, or wood fiber insulation boards. When in doubt, perform adhesion tests prior to site application to ensure optimum performance.

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)



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TECHNICAL SPECS	
Color	Green
Material	Dispersion based on acrylic acid copolymers and ethanol, free of surfactants and halogens
Airtightness (ASTM E2357)	<0.008 cfm/ft ² at 75 Pa
	<0.05 L/sm ² at 75 Pa
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
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

APPLICATION

Follow the CONTEGA HF application guide found on 475's CONTEGA HF product page. Do not press adhesive completely flat!

To make a durable bond the substrate should be stable, dry, smooth and free of dust, silicones and grease. Taped joints shouldn't be permanently exposed to tensile forces/stresses. Adhesion to objects that have been frozen is not possible.

The best adhesion results and protection of the structure is achieved by using high-quality substrates. You are responsible for checking the suitability of the substrate, when in doubt an adhesion tests is recommended.

GENERAL CONDITIONS

The bonds 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 48hrs – unless one or both materials are vapor closed – in that case use CONTEGA MULTIBOND. Avoid excessive humidity in structure by ventilation or using a dehumidifier during construction.

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

