

ROFLEX



Airtight sleeves for pipes, ducts and cables in a variety of sizes



BENEFITS

ROFLEX Creates an interior airtight seal around pipes, ducts and cables which pass through Intelligent vapor membranes, PE-,PA-, PP-, Aluminum foils on the interior of a building. It is also ideal to quickly make durable airtight around pipes and cables through wood-based panels (smooth OSB, plywood). Additional substrates are sanded or sealed wood, glass, plastics and metals.

PRODUCT PROPERTIES

- Airtight sleeves made from EPDM
- For durable, airtight connections to pipes that enter through INTELLO/ WRBs membranes.
- Pre punctured flexible EPDM provides a tight fitting sleeve, without causing a protruding bulge
- Use TESCON VANA for fast, secure and airtight adhesion.
- For one pipe pass-troughs
- Pipe remains adjustable after installation
- ASTM E2357 passed - INTELLO PLUS airtight in penetrated wall 0.0097 CFM/SF 75Pa
- PHI certified airtight system component: 0.2 m3/(m*h)

Name	Gasket Sealing Range	Size of EPDM gasket
ROFLEX 20*	.5" – 1.18" (15mm - 30mm)	5.7" X 5.7" (145mm x 145mm)
ROFLEX 30	1.18" – 2.0" (30mm – 50mm)	5.5" x 5.5" (140mm x 140mm)
ROFLEX 50	2.0" – 3.5" (50mm – 90 mm)	5.5" x 5.5" (140mm x 140mm)
ROFLEX 100	4" – 4.75" (100mm - 120mm)	7.9" x 7.9" (200mm x 200 mm)
ROFLEX 150	4.75" – 6.75" (120mm - 170mm)	9.9" x 9.9" (250mm x 250mm)
ROFLEX 200	6.75" – 8.75" (170mm - 220mm)	11.8"x 11.8" (300mm x 300mm)

* Gasket includes TESCON VANA patch for adhesion to air barrier

ROFLEX

ROFLEX 20



ROFLEX 30-200



TECHNICAL SPECS

Material	Elastic EPDM rubber
Density	75 oz/in ³ (1.30g/cm ³)
Application temperature	From 15 °F (-10 °C)
Long Term Temperature resistance	-40 °F to +248 °F, -40 °C to +120 °C
Rubber Hardness (DIN EN 53519-2)	65 ±5 IRH
Tension at 300% stretch (DIN 53504)	Min 5.0 Mpa
Ultimate tensile strength (DIN 53504)	Min 6.5 Mpa
Percentage elongation at break point	Min 300% ; Recommended max stretch is 50%
Color	Black, blue tape
Thickness	1/32" (0.75mm)
Perm Rating	0.13 (Sd value 24m)
Airtightness (ASTM E2357)	<0.008 cfm/ft ² at 75 Pa
	<0.05 L/sm ² at 75 Pa
Tear resistance (DIN 53315)	Min 25 kN/m
Storage	Cool and dry
Properties after artificial ageing by heat (DIN 53508 - 168hrs, 250°F (121 °C))	
Brittle transition point	-22°F (-30°C)
Ultimate tensile strength (DIN 53504)	Min 5 Mpa
Percentage elongation at break point	Min 150%

APPLICATION

The best performance of adhesion is achieved with high quality intelligent vapor membranes (INTELLO, DB) and wood-based products (ie smooth OSB). It is recommended to verify the suitability of a substrate with an adhesion test. The crucial property of a quality substrate is the surface tension, it should be at least 40 dyn. to provide a sufficiently strong bond for vapor or airtight purposes.

For a permanent connection, the substrates should be firm/taut, dry, smooth, and free of dust, silicone and grease. Clean surfaces of sawdust. If necessary, wipe with a brush. Adhesion to frozen surfaces is not possible. Surfaces must be suitable for permanent bonding with TESCON VANA. If in doubt, an adhesion test is recommended to verify proper performance and durability of the bond.

GENERAL CONDITIONS

The bonds should not be subjected to tensile strain.

Press firmly to secure the adhesive tape. Ensure there is sufficient back-pressure.

Windproof, airtight or rainproof seals can only be achieved on vapour retarding membranes, roof lining membranes or façade membranes that have been laid without folds or creases.

Ventilate regularly to prevent build-up of excessive humidity and use a dryer if necessary