



Wye Fitting

90°
Elbow

Spiral Pipe

DESCRIPTION

CIRCLINER is a molded round fiber glass duct liner for heating and air conditioning systems. CIRCLINER is available plain or factory installed in a wide variety of pipe and fittings. Circliner is the most efficient and economical method of internally lining round metal duct systems. This provides superior acoustical and thermal performance.

PLAIN CIRCLINER IS AVAILABLE IN Sizes

Standard Lengths: 72"
 Wall Thickness: 1" and 2"
 Internal Diameters: 6", 7", 8", 10", 12", 14", 16", 18", 20".

Wall Thickness: 1-1/2"
 Internal Diameters: 6", 7", 9", 11", 13", 15", 17", 19".

TECHNICAL INFORMATION

Density = 4# per cubic foot.

Thermal Conductivity
 .23 BTU at 75° (Mean)
 R-Value 1" = 4.3
 1-1/2" = 6.5
 2" = 8.7

Sound Absorption

	125	250	500	1000	2000	4000	NRC
	.32	.60	.82	.98	.99	.89	.85



Fire Hazard Classification - Class 1 per U.L. Test 723

Flame Spread -less than 25
 Smoke Development -less than 50

Air Velocity - 2400 fpm maximum

2" Wall Thickness Meets California Title 24



Molded Round Duct Liner

FEATURES

1. Superior Thermal Insulation.
2. Quick on-the-job or shop fabrication with minimum labor costs per foot.
3. Secured in place without mechanical fasteners.
4. No special vapor barrier or outside protection required.
5. Excellent noise reduction.
6. Inner surface will not erode under normal air velocity conditions.
7. Light, easy to handle, cuts with a knife.
8. Permanent - resists fire, mold, and aging.
9. Better air flow characteristics than rectangular duct systems.
10. Can be used on rooftop and / or underground.

USES

For insertion in standard size round sheet metal ducts or pipes for heating, ventilating, or air conditioning systems for the purpose of reducing heat transfer, maintaining temperatures, eliminating condensation. No special vapor barrier is required for cool air ducts, because the metal duct is the vapor barrier when the insulation is on the inside. The CIRCLINER insulation absorbs noise of equipment and quiets rushing air sounds; it also reduces duct-borne sound between rooms, contributing to privacy. Round pipe lined with CIRCLINER may be used in place of square ductwork, either exposed, underground, or in concealed areas.

SPECIFICATION

All supply and return air ducts where indicated shall be lined with 1" * thick CIRCLINER as manufactured by CASCO and must meet the requirements of N.F.P.A. as a duct liner.

* Also available in 1-1/2" and 2" thicknesses.

APPLICATION

Full sections of CIRCLINER shall be inserted into the matching pipe or duct providing a tight, friction fit. All leading edges of CIRCLINER shall be coated with a lagging adhesive.

Fittings shall be made by neatly cutting or mitering sections of CIRCLINER. The interior surface of the metal fittings shall be coated with a fire retardant adhesive prior to inserting the cut sections of CIRCLINER. After all sections are installed in the fitting, all edges shall be painted with a lagging adhesive.