

Conasorb UF

Sound Absorbing Material



CONASORB UF is a combination of a 1.5 mil. urethane film bonded to polyester polyurethane acoustic foam. The black urethane film finish is extremely durable due to its highly elastic properties and is resistant to mechanical damage. This finish is suitable for very dirty environments and will withstand direct contact with water and most fluids found in industrial environments such as oils and cutting fluids.

Application and Product Data

Uses

- Machine Guarding Liner
- Engine Compartments
- Enclosure and Silencer Liner

CONASORB UF is easy to apply and can be cut with common utility knives.

For secure and permanent installations use specified adhesive – available from AcoustiGuard™ - WILREP LTD.

Thickness

UF-50: 0.5 in. thick, UF-100: 1.0 in. thick
(also available in UF-200: 2.0 in. thick)

Standard Dimensions

Sheets: 54" wide X 72", untrimmed (27 sq.ft.)

Rolls: 54" x ? (UF-50 and UF100 only)

Custom trimming and die cutting can be provided.

Typical Physical Properties

Density: ASTM D 3574-86 – 1.8 - 2.2 lb. / cu. ft.

Tensile Strength of Foam: ASTM D 3574-86 – 15 psi, minimum

Tear Strength of Foam: ASTM D 3574-86 – 2.0 lb. / in. minimum

Flammability: MVSS 302 – Passes

Thermal Conductivity of Foam at 75°F (24°C):

ASTM C 518 – 0.27 Btu. in. / hr. ft.² °F

NOTICE: Stated data is based on recognized testing methods. Product Performance can be affected by field conditions and installation methods. Users of these products are responsible for determining suitability for their application and compliance with any legal provisions including those relating to health and safety.

Performance Data

Frequency (Hz)	Absorption Coefficient	
	UF-50	UF-100
80	0.05	0.00
100	0.04	0.02
125	0.04	0.08
160	0.07	0.16
200	0.06	0.27
250	0.07	0.55
315	0.11	0.94
400	0.25	1.03
500	0.54	0.67
630	1.04	0.43
800	0.74	0.32
1000	0.47	0.27
1250	0.38	0.30
1600	0.33	0.31
2000	0.31	0.26
2500	0.29	0.26
3150	0.26	0.29
4000	0.26	0.41
5000	0.31	0.47
6300	0.36	0.33
NRC	0.35	0.45

Performance data is an extract from NRC - Ottawa report on tests according to ASTM C 423-90a.

