

# CONASORB UF

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.

## Sound Absorbing Material

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
<b>NRC</b>	<b>0.35</b>	<b>0.45</b>

### APPLICATIONS 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 Wilrep Ltd.

#### THICKNESS

**UF-50:** 0.5 in. thick, **UF-100:** 1.0 in., Also available – **UF-200:** 2.0 in.

#### STANDARD DIMENSIONS

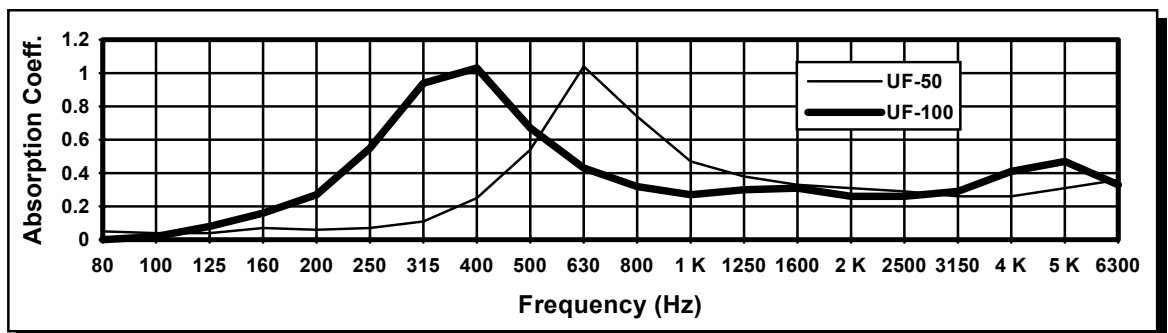
**Sheets:** 54" wide X 72", untrimmed (27 sq. ft.)  
**Rolls:** 54" wide rolls (UF-50 and UF-100 only)  
 CUSTOM DIE CUTTING CAN BE PROVIDED

#### 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.<sup>2</sup> °F

### PERFORMANCE DATA

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



**NOTICE** Stated performance 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.

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