

**Sound Absorbing Material**

**CONASORB-F**

Code de produit: M01-CF

CONASORB F is a flexible polyester polyurethane foam specifically formulated to absorb airborne and random incidence noise, utilizing minimum weight and thickness. CONASORB F has a service life greater than that of polyether foams.

The manufacturing control of the cellular structure ensures the optimum ratio of open and closed cells for maximum performance. CONASORB F reduces airborne sound energy in the frequency ranges found in most environments.

**APPLICATIONS AND PRODUCT DATA**

**USES**

• Enclosure liner • Acoustic baffles • Silencer liner  
CONASORB F is easy to apply and can be cut with common utility knives. For secure and permanent installations use specified adhesives – available from Wilrep Ltd.

**THICKNESS**

F-50: 0.5 in. thick, F-100: 1.0 in., F-200: 2.0 in.

**STANDARD DIMENSIONS**

**Sheets:** 60" wide X 72", untrimmed (30 sq. ft.)  
**Rolls:** 60" wide rolls (F-50 and F-100 only)  
CUSTOM TRIMMING AND DIE CUTTING CAN BE PROVIDED

**TYPICAL PHYSICAL PROPERTIES**

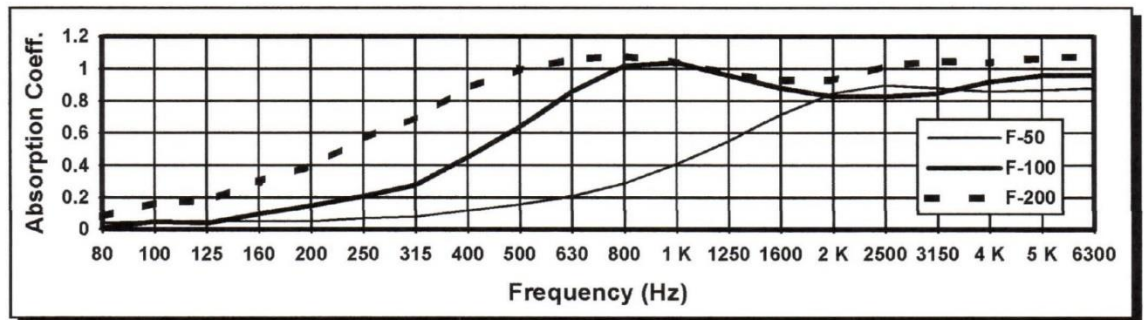
**Thermal Conductivity:** ASTM C 518 – 0.27 Btu. in. / hr. ft<sup>2</sup>. °F  
**Flammability:** MVSS 302 – Passes, UL94 HF-1 – Passes  
**Elongation (%):** ASTM D 3574-86 – 200 minimum  
**Compression Set:** ASTM D 3574-86 – Maximum 15% at 70°F(21° C)  
**Tensile Strength:** ASTM D 3574-86 – 15 psi, minimum  
**Density:** ASTM D 3574-86 – 1.8 - 2.2 lb. / cu. ft.  
**Tear Strength:** ASTM D 3574-86 – 2.0 lb. / in. minimum

Frequency (Hz)	Absorption Coefficient		
	F-50	F-100	F-200
80	0.04	0.01	0.08
100	0.05	0.05	0.17
125	0.05	0.04	0.18
160	0.05	0.10	0.30
200	0.05	0.15	0.40
250	0.07	0.21	0.56
315	0.08	0.28	0.70
400	0.12	0.45	0.88
500	0.16	0.64	1.00
630	0.21	0.86	1.06
800	0.29	1.02	1.08
1000	0.41	1.04	1.04
1250	0.55	0.96	0.97
1600	0.72	0.88	0.93
2000	0.85	0.83	0.93
2500	0.90	0.83	1.02
3150	0.88	0.85	1.05
4000	0.86	0.92	1.04
5000	0.87	0.96	1.07
6300	0.88	0.96	1.08

<b>NRC</b>	<b>0.35</b>	<b>0.70</b>	<b>0.90</b>
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**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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