

Sound Absorbing Material

CONASORB F

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

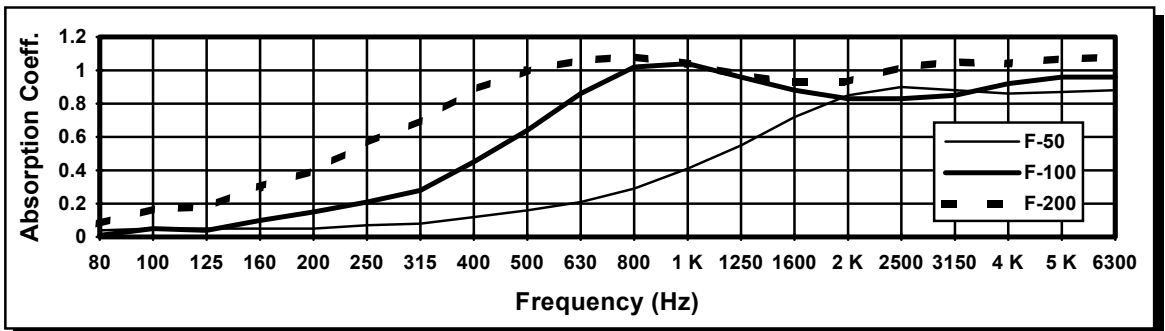
Thermal Conductivity: ASTM C 518 – 0.27 Btu. in. / hr. ft². °F
Flammability: MVSS 302 – Passes, UL94 HF-1 – Passes
Elongation (%): ASTM D 3574-86 – 200 minimum
Compression Set: ASTM D 3574-86 – Maximum 15% at 70°F(21° C)
Tensile Strength: ASTM D 3574-86 – 15 psi, minimum
Density: ASTM D 3574-86 – 1.8 - 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

NRC	0.35	0.70	0.90
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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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