TEMATI
THINKING SOLUTIONS

Handi-Foam Sound Barrier

12 kg/m^3 Low Density

Two Component Polyurethane Spray Foam

- **Soft and flexible foam with enormous expansion capacities.**
- **Filling of cavities / Insulating of large substrates.**
- **Withstands temperatures between –20°C to +70°C.**
- **Ideal for insulation improvement applications.**
- **User-friendly & "Ready-to-Use" systems.**
- **Energy savings – increasing your comfort – Sound barrier!**
- **Environmentally friendly – contains no HCFC's and CFC's.**

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HANDI-FOAM Sound Barrier

Handi-Foam Sound Barrier is a multilateral portable Two-Component Polyurethane Spray Foam system staying soft and flexible due to its low density (12 kg/m^3). **Handi-Foam Sound Barrier** spray insulation deadens sound and vibrations, insulates, provides a continuous air-barrier, fills and seals large voids & cavities, keeps out dust, smoke and odour. **Handi-Foam** is a "user-friendly" system and does not require a large investment in equipment. **Handi-Foam** P.U. systems are available in various packaging sizes to meet industrial and commercial application requirements.

Optimum application temperature is 26-27°C but may be sprayed onto colder or warmer substrates, with slight effects on the foam characteristics. Cured foam is resistant to heat and cold (-20°C to +70°C), and to aging, but not to UV rays (i.e. sunlight) unless painted, covered or coated. Cured foam is also chemically inert and non-reactive in approved applications. **Handi-Foam** systems are "ready-to-use", require no outside mechanical or electrical power source and can be applied onto any clean and dry surface in any direction.

Technical Data:

	Handi-Foam II-250 Sound Barrier	**Handi-Foam II-450 Sound Barrier**	**Handi-Foam II-1350 Sound Barrier**
Density	12 kg/m^3	12 kg/m^3	12 kg/m^3
Expanded volume	588 Litres 58 m^2 @ 1 cm thickness	1.061 Litres 106 m^2 @ 1 cm thickness	3.184 Litres 318 m^2 @ 1 cm thickness
Expansion time	30 - 45 sec.	30 – 45 sec.	30 – 45 sec.
K-Factor (28 days)	0.036 W/mK	0.036 W/mK	0.036 W/mK
R-Value (28 days)	0.65/inch (2.54 cm)	0.65/inch (2.54 cm)	0.65/inch (2.54 cm)
Fire resistance (ASTM E-84) class 2	Flame Spread index : < 75 Smoke Developed : < 450		
Cell structure	Approx. 95 % open cell structure		
Air Barrier Properties (ASTM E-283) @ 300 Pa @ 75 Pa (extrapolated)	 0.0080 L / s / m^2 0.0049 L / s / m^2	 0.0080 L / s / m^2 0.0049 L / s / m^2	 0.0080 L / s / m^2 0.0049 L/ s / m^2
Perm Rating (ASTM E-96) 1" (2.54 cm) 3" (7.62 cm)	 31 Perms 16 Perms	 31 Perms 16 Perms	 31 Perms 16 Perms
Noise Reduction Coefficient	NRC 70	NRC 70	NRC 70
Sound Transmission	STC 35	STC 35	STC 35
Dimensional Stability (ASTM D-2126) Heat Age 70°C (+158°F) Humid Age 70°C (+158°F), 100% RH Cold Age –20°C (4°F)	< 5% change under all tested conditions		

Important Note: Use only in well-ventilated areas or with certified respiratory protection. Wear impervious gloves, protective glasses and suitable work clothes when using. Read all instructions and safety information (MSDS) prior to use of any product. The product contains no formaldehyde. Cured foam is non-toxic. **KEEP OUT OF REACH OF CHILDREN!**
Product Storage: Store in a cool and dry area in the upright position. Do not expose to an open flame or temperatures above 49°C (120°F). Excessive heat can cause premature aging of components resulting in a shorter shelf life. Containers are under pressure. Do not open with force or incinerate even after use.
Application / **Use**: Valves must be in the upright position. Materials are dispensed through hoses and mixed in a disposable nozzle. Once foaming has stopped, the dispensing unit must be reactivated within 30 seconds or a new nozzle must be installed. Fresh Handi-Foam may be applied in several stages to reduce overfilling or void damage to non-rigid, confined cavities. Cured foam can only be removed mechanically.