

### Product Description

**EXY 09** is water base spray polyurethane foam insulation with open cell structure. **EXY 09** adheres directly to the substrate, forming a seamless and permanent layer. **EXY 09** creates an air barrier and improves indoor air quality. This foam provides excellent energy efficiency while significantly reducing the risk of moisture problems.

### Product Use

**EXY 09** is suitable for insulating roof constructions and walls, floors, ceilings, pasive houses and wooden constructions. **EXY 09** can be used for interior and exterior insulations. Benefits: fast application, doesnt need mechanical anchoring, insulation of places which are difficult to reach.

### Recommended Product Applications

- Walls
- Floors
- Ceilings
- Wooden buildings
- Attics
- Passive buildings
- Interior
- Exterior

### Recommended Processing Parameters

Surface temp.	- 5°C to 0°C	10°C and more
Dynamic Pressure	1000-1200 psi	1000-1200 psi
Preheat temp.	49°C - 53°C	48°C - 53°C
Hose heat temp.	49°C - 53°C	47°C - 53°C
Drum temp.	21°C - 25°C	21°C - 25°C

Optimum hose pressure and temperature may vary as a function of the type of equipment, application and surface. It is the responsibility of the applicator to check the final foam quality, follow the technical instructions and properly set up the spraying technology according to technical literature. The surface must be cured, dry, free of loose dirt or any contaminants that may interfere with adhesion of any of the respective components.

### Material shelf life:

**6 months when stored within recommended temperature range. Unless otherwise specified**

### Physical Properties

Properties	Test Method	Value
Thermal conductivity $\lambda_D$	EN14315-1 after 175 days (70°C)	0,037 W/(m.K)
Short-term absorbtion (surface with skin) Deformation under specified compressive load	EN 1609	0,682 kg/m2
Apparent density	EN 1602	6-11 kg/m3
Compression strength 10% deformation	EN 826:2013	10,3 kPa
Water vapour permeability $\mu$	EN 12086	3.54 $\mu$
CT(Cream time)	Attachment E, EN 14315-1	6 s
GT(Gel time)	Attachment E, EN 14315-1	3 s
TFT(Tack free time)	Attachment E, EN 14315-1	14.5 s
FRC(Core free rise density)	Attachment E, EN 14315-1	10.28 kg/m3
Reaction to fire	EN 13501-1+A1	Class E
	EN 15715:2010	Class B - s1,d0
Sound absorption	EN ISO 11654	Class C, aw=0,60
Open cells	EN ISO 4590:2017	95,8 %
VOC harmless	EN ISO 16000-10	Pass

Thickness EXY 09	R thermal resistance value (m2.W/K)	Declared aged thermal conductivity ( $\lambda_D$ ) W/m2.K
130 mm	3,50	0,037
150 mm	4,05	0,037
170 mm	4,55	0,037
180 mm	4,85	0,037
185 mm	5,00	0,037
190 mm	5,10	0,037
250 mm	6,75	0,037
300 mm	8,10	0,037

# EXY 09

## Open-Cell Spray Foam Insulation

These values refer to the total thickness of the product tested. The maximum thickness allowed per pass or application must not exceed of 15 cm per expanded foam. The foam should be allowed to cool for 15 minutes before additional applications of foam are attempted. Foam applied without allowing for cooling may result in excess heat build-up and result in fire or the generation of offensive odors that may not dissipate with time.

### Handling and Safety

**Respiratory protection is MANDATORY!** HONTER requires that supplied air and a full face mask be used during the application of any spray applied foam system. Contact HONTER for a copy of the Model Respiratory Protection Program or visit their web site at <http://osha.europa.eu/en/>. Persons with known respiratory allergies should avoid exposure to the "A" component. The "A" component contains reactive isocyanate groups. The materials must be handled and used with adequate ventilation. Avoid breathing vapors. Wear an approved full face mask. If inhalation of vapors occur, remove victim from contaminated area and give oxygen, if breathing is difficult, call a physician immediately. Avoid contact with skin, eyes, and clothing.

Open drums carefully, allowing any pressure to be relieved slowly and safely. **Wear chemical safety goggles and nitril gloves when handling or working with these materials.** In case of eye contact flush with plenty of water for at least fifteen minutes and consult with doctor immediately. In case of skin contact, wash area with soap and water. Wash clothes before reuse.

### Storage

Drums must be stored closed very well on a pallet. This product is very sensitive to moisture. Recommended storage temperature is 15°C. The temperature should not reach above 30 °C. Recommended working drum temperature is 20+°C

### In Case of Spills or Leaks Steps To Be Taken

- Utilize appropriate personal protective equipment (PPE).
- Contain and cover spilled material with a loose, absorbent material such as oil-dry, vermiculite, sawdust or Fuller's earth.
- Shovel absorbent waste material into proper waste containers.
- Wash the contaminated areas thoroughly with hot, soapy water.
- Ventilate area to remove vapors.
- Report sizeable spills to proper environmental agencies

### In Case of Fire

Extinguishing Media-Dry chemical extinguishers such as mono ammonium phosphate, potassium sulfate, and potassium chloride. Additionally, carbon dioxide, high expansion (proteinic) chemical foam, or water spray for large fires

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