

# AEROCEL<sup>®</sup>-D / AL

Closed Cell Elastomeric Thermal Insulation for HVAC Air Duct Systems

*Non - Fibrous  
Non - Formaldehyde  
Contents*



# AEROCEL-D/AL<sup>®</sup>

## Closed Cell Elastomeric Thermal Insulation for HVAC Air Duct Systems

It is conventionally thought that air ducts and associated equipment are insulated to prevent condensation, save energy and reduce noise, despite the fact that indoor air quality and public health should also be concerned when selecting an appropriate insulation for insulating on the equipments. **AEROCEL-D/AL** with aluminum foil surfaced help minimizing mold growth. In addition, **AEROCEL-D/AL** is non-fibrous & non-formaldehyde contents that do not vitiate the indoor air quality.



**AEROCEL-D/AL** is closed cell light weight elastomeric thermal insulation. It provides many advantages over most fibrous, rigid or semi-rigid thermal insulation such as :

- High resistance to mold & mildew growth
- Air flow erosion resistant can be installed on internal and external duct surfaces
- Stable low thermal conductivity
- Low water vapor transmission
- No additional jacketing is required
- Excellent Flexibility makes installation work easy & speedy
- Easy to clean, neat appearance with reinforce aluminium foil on the surface

### SPECIFICATION

Physical Properties	AEROCEL-D/AL	Test Method
Density	60±10 Kg/m <sup>3</sup>	ASTM D 1667
Cell Structure	Closed Cell	-
Thermal Conductivity (K.value W/mK) at 24°C	≤0.036 W/mK	ASTM C 518
Service Temperature	5°C to 85°C	-
Water Vapor Permeability	≤0.10 perm-in.	ASTM E 96
Water Absorption	≤5% by weight	ASTM D 1056
Heat Stability (% Shrinkage) At 200°F (93°C) 7 days	≤7%	ASTM C 534
Flammability	Self Extinguishing	ASTM D 635
Flexibility	Excellent	ASTM C 534

### CONTINUOUS SHEET ROLL

Product Code	Thickness (mm)	Width (m)	Length (m)	Area/Roll (m <sup>2</sup> )
ACDTSMSR1030ALPP	10	1.20	30	36
ACDTSMSR1325ALPP	13	1.20	25	30
ACDTSMSR1620ALPP	16	1.20	20	24
ACDTSMSR1920ALPP	19	1.20	20	24
ACDTSMSR2515ALPP	25	1.20	15	18
ACDTSMSR3210ALPP	32	1.20	10	12
ACDTSMSR3810ALPP	38	1.20	10	12
ACDTSMSR5005ALPP	50	1.20	5	6

Remark : Adhesive lamination is available upon request.



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