

Armaflex Condensation Control Chart

(1) Air Distribution Systems

Recommended thickness (mm) of Armaflex MC for air distribution systems

Ambient Temperature	28°C				30°C								35°C							
Relative Humidity	65%	70%	75%	80%	75%	78%	80%	83%	85%	88%	90%	75%	78%	80%	83%	85%	88%	90%		
Air duct (+14°C)	6	6	9	13	9	13	13	16	19	25	32	13	16	19	25	25	38	44		
Raised floor system (+17~20°C)	6	6	6	9	9	9	13	13	19	19	25	13	13	19	19	25	25	38		

(2) Typical Cold Water, Chilled Water and Refrigeration Systems

Recommended thickness (mm) of Armaflex MC for typical cold water, chilled water and refrigeration systems

Ambient Temperature	28°C				30°C				35°C			
Relative Humidity	65%	70%	75%	80%	75%	80%	85%	90%	75%	80%	85%	90%
cold water +18°C (e.g. condensate)												
Pipe up to 35 mm O.D.	6	6	6	9	9	9	13	19	13	13	19	25
Pipe 42 - 60 mm O.D.	9	9	9	9	9	9	13	19	13	13	19	25
Pipe 67 - 140 mm O.D.	9	9	9	9	9	13	19	25	13	19	25	32
Pipe above 140 mm O.D.	9	9	9	9	9	13	19	25	13	19	25	32
chilled water +5 ~+7°C												
Pipe up to 35 mm O.D.	9	13	13	19	19	19	25	32	19	19	25	38
Pipe 42 - 60 mm O.D.	9	13	19	19	19	19	25	38	19	25	32	44
Pipe 67 - 140 mm O.D.	13	13	19	19	19	25	32	44	25	25	32	50
Pipe above 140 mm O.D.	13	13	19	25	19	25	32	50	25	32	38	57
refrigeration to 0 °C												
Pipe up to 35 mm O.D.	13	13	19	19	19	25	32	38	19	25	32	44
Pipe 42 - 60 mm O.D.	13	13	19	25	19	25	32	44	25	32	38	50
Pipe 67 - 140 mm O.D.	13	19	19	25	25	32	38	57	25	32	38	57
Pipe above 140 mm O.D.	13	19	25	32	25	32	38	57	25	32	44	70
refrigeration to -10 °C (e.g. ice thermal storage)												
Pipe up to 35 mm O.D.	19	19	19	25	25	32	38	50	25	32	38	57
Pipe 42 - 60 mm O.D.	19	19	25	32	25	32	38	57	32	32	50	64
Pipe 67 - 140 mm O.D.	19	25	32	32	32	38	50	64	32	38	50	76
Pipe above 140 mm O.D.	19	25	32	38	32	38	50	76	32	44	57	88