

Technical Data Sheet

	A2A 2 layers of bubbles, aluminum on both sides	A2V 2 layers of bubbles, aluminum on one side and white vinyl one side	A1A 1 layer of bubbles, aluminum on both sides	A1V 1 layer of bubbles, aluminum on one side and white vinyl one side
THICKNESS	8 mm (3/8 in)	8 mm (3/8 in)	4 mm (3/16 in)	4 mm (3/16 in)
WEIGHT	382 gr/m ² (1.35 oz/ft ²)	355 gr/m ² (1.16 oz/ft ²)	317 gr/m ² (1.04 oz/ft ²)	291 gr/m ² (0.95 oz/ft ²)
ROLL WEIGHT	19.10 kg (42.2 lb)	16.49 kg (36.3 lb)	14.75 kg (32.45 lb)	13.52 kg (29.74 lb)
FLAME SPREAD	10 based on ASTM E84	10 based on ASTM E84	10 based on ASTM E84	10 based on ASTM E84
SMOKE DEVELOPMENT	30 based on ASTM E84	110 based on ASTM E84	30 based on ASTM E84	110 based on ASTM E84
CRUSHING RESISTANCE	414 kN/m ² 4.22 kg/cm ² (60.05 lb/in ² 8647 lb/ft ²)	414 kN/m ² 4.22 kg/cm ² (60.05 lb/in ² 8647 lb/ft ²)	414 kN/m ² 4.22 kg/cm ² (60.05 lb/in ² 8647 lb/ft ²)	414 kN/m ² 4.22 kg/cm ² (60.05 lb/in ² 8647 lb/ft ²)
TENSILE STRENGTH	3.7 N/mm (21.13 lbf/in) CAN/CGSB-51.33-M89	3.7 N/mm (21.13 lbf/in) CAN/CGSB-51.33-M89		
FLEXIBILITY	No cracking CAN/CGSB-51.33-M89	No cracking CAN/CGSB-51.33-M89	No cracking CAN/CGSB-51.33-M89	No cracking CAN/CGSB-51.33-M89
THERMAL RESISTANCE	RSI 0.70 to RSI 2.57, (R4 to R14.6) depending on the installation	RSI 0.70 to RSI 2.57, (R4 to R14.6) depending on the installation	RSI 0.70 to RSI 2.57, (R4 to R14.6) depending on the installation	RSI 0.70 to RSI 2.57, (R4 to R14.6) depending on the installation
EMISSIVITY	0.03 - 0.04	0.03 - 0.04	0.03 - 0.04	0.03 - 0.04
REFLECTIVITY	0.96 - 0.97	0.96 - 0.97	0.96 - 0.97	0.96 - 0.97
WATER VAPOUR PERMEANCE before aging • after aging	CGSB 51.33-M89 ASTM E-96 < 0 ng/ Pa.s.m ² < 1 ng/ Pa.s.m ²	CGSB 51.33-M89 ASTM E-96 < 0 ng/ Pa.s.m ² < 1 ng/ Pa.s.m ²	CGSB 51.33-M89 ASTM E-96 < 0 ng/ Pa.s.m ² < 1 ng/ Pa.s.m ²	CGSB 51.33-M89 ASTM E-96 < 0 ng/ Pa.s.m ² < 1 ng/ Pa.s.m ²
TEMPERATURE RANGE at 24 °C (75 °F)	-50 °C to 82 °C (-58 °F to 180 °F)	-50 °C to 82 °C (-58 °F to 180 °F)	-50 °C to 82 °C (-58 °F to 180 °F)	-50 °C to 82 °C (-58 °F to 180 °F)
LINEAR SHRINKAGE	None	None	None	None
THERMAL CONDUCTIVITY (K)	0.0416 (0.293)	0.0416 (0.293)	0.0384 (0.27)	0.0384 (0.27)
IMPACT SOUND TRANSMISSION LOSS	ASTM E-492, ASTM C-423 ASTM STP-15C IIC-52	ASTM E-492, ASTM C-423 ASTM STP-15C IIC-52	ASTM E-492, ASTM C-423 ASTM STP-15C IIC-52	ASTM E-492, ASTM C-423 ASTM STP-15C IIC-52

Products and sizes available

The following **AYR-FOIL™** reflective insulation products are available **up to 98" wide**:

- **A2A** Foil-bubble-bubble-foil
- **A2V** Foil-bubble-bubble-white poly
- **A1A** Foil-bubble-foil
- **A1V** Foil-bubble-white poly

All products are available in a variety of sizes and designs including **staple tabs (1" or 2")** and **quick seam double-sided tape (1" or 2")**. The foil can also be coated with clear poly for extra protection.

Other products available:

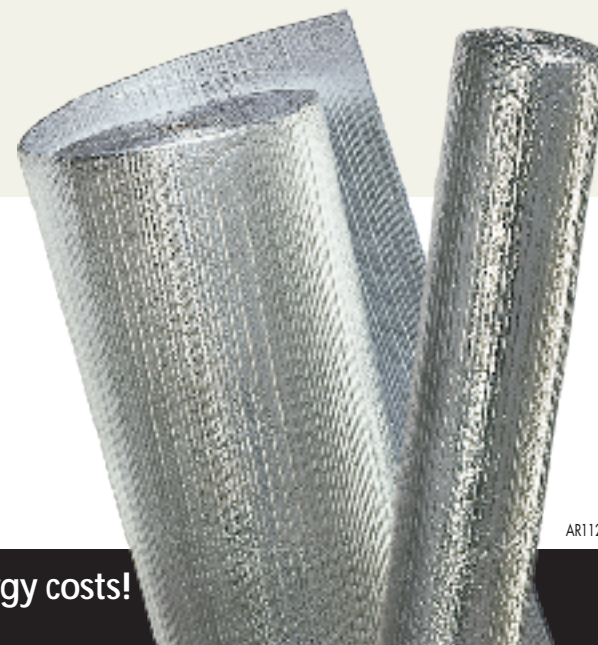
- **Radiant barriers (foil – foil, foil – Kraft, foil – white woven)**
- **Foil and white vinyl tape**
- **Custom kits for water heater tanks**

[See web site for data sheets.](#)

ANOTHER EFFECTIVE SOLUTION BY



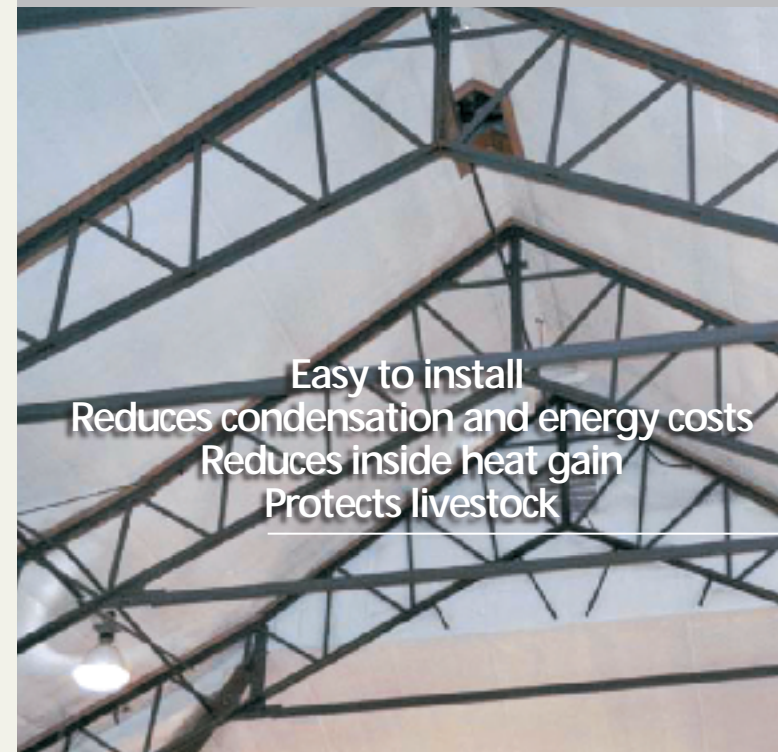
Customer Service
TOLL FREE: 1 877.478.8408
www.ayr-foil.com
info@ayr-foil.com



AR112



Smart ideas to lower your energy costs!



Easy to install
Reduces condensation and energy costs
Reduces inside heat gain
Protects livestock

The best insulation for

METAL BUILDINGS & POST FRAME / POLE BUILDING CONSTRUCTIONS



Custom sizes up to 98" wide
Staple tabs
Quick seam (double-sided tape)



Smart ideas to lower your energy costs!

Contact us to discuss your projects!

