



## ATG-430-58-AL7D

An AMATEX woven thermoglass fabric, four harness satin weave, laminated with AL7 aluminum film on one side. Applications include protective curtains, lagging cloth, vapor and flange spray shields, and heat reflection. Resistant to most chemicals and light molten splash, offers good thermal protection to higher temperatures. A lighter weight fabric for economical proximity fire fighting. (see notes on temperature) .

### About AMATEX Corporation

Amatex manufactures industrial heat resistant textiles featuring Thermoglass™ fiberglass products, silica fabrics, and proprietary treated and coated products. These items include broad woven roll goods and narrow products in the form of woven and knitted tapes, sleeving, rope, and gasketing. With fiberglass and silica as the base textile, Amatex offers top and immersion coatings of Silicone, Teflon, Vermiculite, Neoprene, and Acrylic. Heat treating, dyeing, and coloration of the coatings are also available.

### **Amatex fabrics are commonly used in the following applications:**

- Welding Cloth
- Foundry Cloth
- Insulation Cloth
- Heat Shield
- Gasketing
- Marine Insulation
- Industrial Insulation
- Pad Cloth
- Fire Barriers
- Fire Curtains
- Industrial Belting
- Filtration
- Expansion Joints
- Protective Clothing

**Over 100 Years**

*Proud American Manufacturers of Industrial Textiles*

## AMATEX AL7 Aluminized Fabric Data Sheet

<b>Style</b>	ATG-430-58-AL7D
<b>Base Fabric</b>	Fiberglass (6 micron)
<b>Color/Appearance</b>	AL7 Aluminized film one side/ white reverse
<b>Fabric Weight (oz/yd<sup>2</sup>)</b>	15 (509 g/m <sup>2</sup> )
<b>Fabric Thickness (mils)</b>	16
<b>Warp Strength (lbs) (1" unraveled)</b>	469
<b>Fill Strength (lbs) (1" unraveled)</b>	351
<b>Flammability-After Flame (seconds)</b>	0
<b>Flammability-Char Length (inches)</b>	0
<b>Tear Strength (psi)</b>	W-149 F-191
<b>Adhesion After Wet Flex</b>	Pass
<b>Reflectivity after Abrasion (seconds) (ASTM F1939)</b>	33
<b>RPP Rating (cal/cm<sup>2</sup>)</b>	66
<b>Taber Abrasion (cycles)</b>	800
<b>Molten Iron Splash (ASTM F955)</b>	Pass
<b>Molten Aluminum Splash (ASTM F955)</b>	Pass

All data +/- 10%. All data intended as general information and no warranties, guarantees, or claims of fitness for use are expressed or implied by AMATEX Corporation. 920

*NOTE on Service Temperature: Service Temperature may vary significantly based on the environment of the application. Key considerations include:*

- Temperature exposure - radiant, convective, conductive ... also ambient temperatures
- Dynamics of the Environment - vibration, air flow, abrasion, exposure to dirt, liquids, chemicals.
- Generic recommendations - Fiberglass is generally considered suitable for applications to 1000°F however depending on the exposure and environment, this may vary between 600 and 1,200°F. The Aluminized PET Facing is generally considered suitable for applications to 325°F however depending on the exposure and environment, this facing is suitable for much higher temperatures. In fact, the ASTM F1939 Reflectivity Test includes exposure to Radiant Heat at 3,000°F.

*Fit for Service: All applications are unique and conditions may significantly affect the performance of materials used in the application. Ultimately, it is the responsibility of the user to determine any products **fit for use and service** in their application.*



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