

# Ultra-Thane Roofing



Spray Polyurethane Foam  
Elastomeric Coatings



## Ultra-Thane Roof System

GCMC Ultra-Thane Roof Systems are designed to provide the rigorous waterproofing, energy efficiency, and weathering protection demanded by Architects, Contractors, and Building Owners.

Ultra-Thane 230 Roof Systems are monolithic, lightweight, and renewable with superior long lasting leak-free performance. These coated spray polyurethane foam systems offer proven UV protection, foot traffic resistance and hail impact durability under acrylic, silicone or urethane roof coatings. Ultra-Thane Roof Systems protect valuable building contents from leaks using its seamless, uniform membrane, which adds slope and sheds rainwater. GCMC roof systems are self-flashing and are easily field applied over any irregular surface, so they keep the elements from entering your structure through joints, penetrations, walls, and platforms.

Ultra-Thane Roof Systems are proven solutions for lowering your energy costs, reducing your installation time, controlling your drainage runoff and increasing the life span of your roof. GCMC Ultra-Thane Roof Systems are Underwriters Laboratory approved and I.C.C. certified with Energy Star rated coating performance.

## Roofing Foam

Ultra-Thane 230 roofing foams are two-component, closed-cell, spray polyurethane foam (SPF) specifically designed to provide a waterproof and insulated roof membrane. GCMC roof foams can be installed directly to the deck and over numerous roof substrates (Metal, BUR, Plywood, Concrete, and Dens-Deck). GCMC Spray Polyurethane Foam allows contractors to restore or re-roof existing buildings to achieve a warrantable, waterproof system at economical cost without unnecessary tear-offs.

Ultra-Thane 230 roof foams are available in many densities (2.5 lb., 2.7 lb., and 3.0 lb.) and are designed for field application in all regions of the United States. GCMC Spray Polyurethane Foams perform on roof conditions where outdoor temperature vary from -50F to 200F offering dimensionally stable thermal insulation in all regions including arid, snowy, hail, or hurricane zones. Ultra-Thane 230 roof foams provide excellent building life cycle benefits and are installed with low environmental impact.

GCMC Ultra-Thane 230 roof foam will improve a building's energy efficiency by providing a continuous thermal break from its uniform layer of 6.5 per inch "R" value insulation. Ultra-Thane 230 roof foam used in conjunction with our reflective roof coatings provides maximum economic benefit to keep your building cooler in summer and warmer in winter.



### Spray Foams

		Roof
<b>Ultra-Thane 230-2.5</b>	<b>2.5 lb Density, Closed Cell, Roofing Spray Foam</b>	•
<b>Ultra-Thane 230-2.7</b>	<b>2.7 lb Density, Closed Cell, Roofing Spray Foam</b>	•
<b>Ultra-Thane 230-3.0</b>	<b>3.0 lb Density, Closed Cell, Roofing Spray Foam</b>	•





# WATERPROOFING. ENERGY EFFICIENT. DURABLE.



## Elastomeric Coatings

GCMC topcoats for Spray Polyurethane Foam (SPF) include multi-purpose, single component, water-borne acrylic and silicone elastomeric coatings. Each is easy to apply and has been formulated and tested to provide excellent adhesion. Our acrylic and silicone coatings provide outstanding heat and UV resistance with exceptional flexibility and impact protection. Many of our topcoats are UL and ICC certified.

### Acrylic Coatings

		Roof
<b>Ultra-Flex 1000</b>	<b>General Purpose Elastomeric Acrylic</b>	•
<b>Ultra-Flex 1000QS</b>	<b>Quick-Set Elastomeric Acrylic</b>	•
<b>Ultra-Flex 1000HT</b>	<b>High Tensile Strength Elastomeric Acrylic</b>	•

### BENEFITS:

- Outstanding UV Resistance
- Low Temperature Flexibility
- Excellent Protection Against Fungus & Mildew

### Silicone Coatings

		Roof
<b>Ultra-Guard 5500</b>	<b>Multi-Purpose Roof Coating (over SPF)</b>	•
<b>Ultra-Guard 5700</b>	<b>High Solids Roof Coating (over SPF)</b>	•

### BENEFITS:

- Extremely Reflective and Low Odor
- Unaffected by Ozone or UV Rays
- Flexible Membrane Integrity (-80°F to +250°F)

## Polyurethane & Polyurea Coatings

GCMC polyurethanes and polyureas are multi-purpose, fast-setting, high solids, aliphatic or aromatic protective elastomeric membranes that have excellent adhesion to Spray Polyurethane Foam (SPF) and other properly prepared construction surfaces. These proven, reliable, and certified products can improve your roof's waterproofing and insulation efficiency in a cost-effective manner.

### Polyurea & Hybrid Coatings

		Roof
<b>Ultra-Shield 3000</b>	<b>2k, High Solids, Aliphatic Polyurethane Topcoat</b>	•
<b>Ultra-Tuff 2500</b>	<b>2k, 100% Solids, Fast-Set, Aromatic Polyurethane</b>	•
<b>Ultra-Tuff 2800</b>	<b>2k, 100% Solids, Fast-Set, Aromatic Hybrid Polyurea</b>	•

### BENEFITS:

- Easy to Apply
- VOC Compliant
- High Chemical Resistance
- Flexibility with Impact Resistance

## Primers

GCMC primers are one and two component products formulated to provide maximum substrate adhesion and short-term protection from the elements with excellent bonding to our spray foams, acrylics, silicones, polyurethane, and polyurea coatings. Primer application methods include using conventional and airless spray equipment, brush, or roller.

### Primers

		BUR	CONCRETE	PLYWOOD	METAL	STEEL	METAL ETCHING	FERROUS & NOT FERROUS METALS
<b>Ultra-Bond 10</b>	<b>Waterborne, Acrylic Emulsion Primer</b>	•	•	•	•	-	-	-
<b>Ultra-Bond 15</b>	<b>Polyamide Epoxy Primer</b>	-	•	-	-	•	-	-
<b>Ultra-Bond 16</b>	<b>Clear, Waterborne Acrylic Primer</b>	•	•	•	•	-	-	-
<b>Ultra-Bond 20</b>	<b>Fast Drying, Metal Etching Pre-Treatment Primer</b>	-	-	-	-	-	•	•
<b>Ultra-Bond 55</b>	<b>High Solids, Modified Alkyd Primer</b>	-	-	-	•	•	-	-

**Project:**

**Auvil Fruit Company**

Controlled Atmosphere

Apple Storage 1.06 Million ft<sup>3</sup>

33°F - 40°F

**Location:**

21902 US 97

Orondo, WA 98843

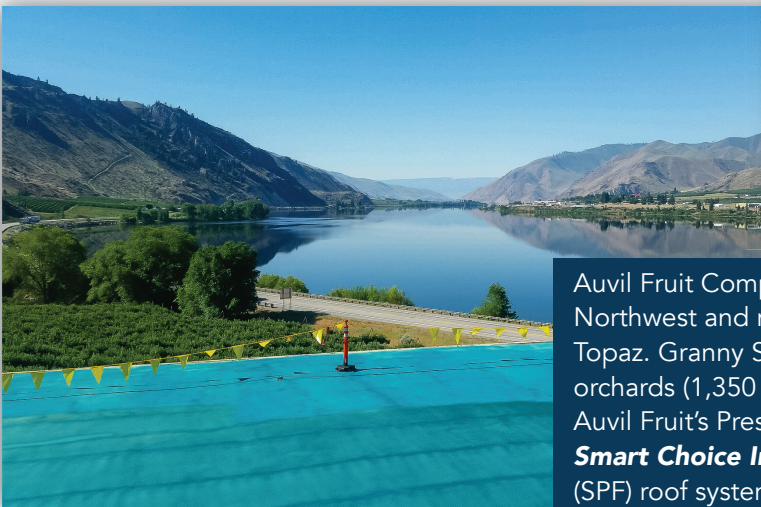
**Scope of Work:**

Cold Storage Roof

New Construction

**Products Applied:**

- Ultra-Thane 230 Roof Foam
- Ultra-Bond 10 Substrate Primer
- Ultra-Tuff 2500 Urethane Base Coat
- Ultra-Flex 1000 Acrylic Top Coat
- Roofing Granules # 11



Auvil Fruit Company, founded in 1928 by Grady Auvil, grows apples in the Northwest and markets its crops under the brand names Elite, Gee Whiz, and Topaz. Granny Smith apples, Fuji apples, & Rainier cherries are grown on Auvil's orchards (1,350 acres).

Auvil Fruit's President of Facilities and Packing, Walt Hough, contracted with **Smart Choice Insulation & Roofing Inc.** to install a Spray Polyurethane Foam (SPF) roof system instead of an insulated, ballasted EPDM. The seamless **Ultra-Thane 230** roof system allowed Auvil to expand its room storage size to increase overall capacity to 22,000 bins. Auvil also values SPF's simple and easy to repair features.