



## Product Description

SA-APP KoolCap G and SA-APP KoolCap G FR membranes are highly reflective, self-adhered APP modified bitumen cap sheets with a factory-applied reflective coating. Both products meet or exceed most standards for cool roofs and have a SRI of 96.

KoolCap G is an extension of Mule-Hide's Self-Adhering Modified Bitumen product line sharing the same "dual compound" technology that allows for the application a heat- and pressure-activated adhesive compound on the bottom while providing a true APP weathering surface on the top.

SA-APP KoolCap G and KoolCap G FR are available nationwide, shipping out of the Fernley, Nev., plant only.

**Warranties**    **12, 15, and 20 years, same as other SA Mod Bit products**

## Application

SA-APP KoolCap G is applied just as all other Mule-Hide Self-Adhering Modified Bitumen cap sheets with one exception; the preferred method of seaming is hot-air welding. Instead of broadcasting granules into bleed out at the seam or scuffed areas to maintain a consistent color across the roof like in Mule-Hide's other SA Cap Sheets, KoolCap G requires the use of KoolCap Touch-Up Kit. KoolCap Touch-Up Kit is a water-based coating that is applied to the edge of the seams, around repairs and over scuffs in the field to maintain the bright white surfacing color.

Approved Substrates/Surfaces	Unapproved Substrates/Surfaces
New Plywood or OSB ( <i>Rough Side Up</i> )	Perlite
Old Plywood or OSB ( <i>Primed with 121 Asphalt Primer</i> )	Expanded polystyrene
DenDeck® Prime ( <i>Primed with 121 Asphalt Primer</i> )	Extruded polystyrene
Concrete ( <i>Primed with 121 Asphalt Primer</i> )	Lightweight Insulated Concrete
Flat Metal ( <i>Primed with 121 Asphalt Primer</i> )	Sand Surface Base Sheet
Mule-Hide Poly ISO	15-lb or 30-lb Base Sheet
Structodek® HD with Primed Red Coating or 6 Sided Wood Fiber	Foil Faced Insulation
Nail Base	Uncoated Fiber Board

*Reference SAMB Application Guidelines for additional information*

## Audience Advantages

### Why **Distributors** will value Mule-Hide SA-APP KoolCap

- Exclusivity of Mule-Hide Self-Adhering Modified Bitumen means contractors can only buy from their branches
- Easy to install and is easily cross sold to steep-slope roofing contractors
- An environmentally and insurance-friendly modified bitumen solution
- A multi-ply Cool Roof Ratings Council (CRRC) rated granulated modified bitumen roofing system with greater puncture resistance than single plies
- \$200 flat fee for freight when buying 24 pallets

### Why **Contractors** will value Mule-Hide SA-APP KoolCap

- Factory-applied reflective coating versus field applied after installation, saving a return trip 30 days after completion to coat the job
- Easy to install and no torches or kettles needed
- Roll sizes are conducive to portability in markets where roof access is limited for wider single-ply membranes
- An environmentally and insurance-friendly modified bitumen solution
- True APP weathering surface provides superior performance over competition
- A multi-ply CRRC rated product granulated modified bitumen roofing system with greater puncture resistance than single plies
- FASTLap® granule-free end laps speed installation
- SEALLap® provides instant watertight bond
- Seaming over granular surfaces can be done with hot-air welding, which is cleaner and less expensive than using mod bit adhesive and granules
- Up to 20-year system warranties available for commercial projects and 20-year material warranties available for residences
- Provides an opportunity to up-sell clients who are environmentally sensitive

### Why **Architects** will value Mule-Hide SA-APP KoolCap

- Easy to install and no torches or kettles needed
- A multi-ply CRRC rated product granulated modified bitumen roofing system with greater puncture resistance than single plies
- Factory applied reflective coating versus field applied after installation
- True APP weathering surface provides superior performance
- Up to 20-year system warranties available for commercial projects and 20-year material warranties available for residences
- Provides UL and FM rated systems

### Why **Building Owners** will value Mule-Hide SA-APP KoolCap

- Factory applied reflective coating versus field applied after installation
- Easy to install and no torches or kettles needed
- An environmentally and insurance-friendly modified bitumen solution
- An CRRC rated product with greater puncture resistance than single plies
- A multi-ply CRRC rated product with a granulated modified bitumen cap sheet that does not require post-installation coating, getting the job done quickly
- True APP weathering surface provides superior performance
- Up to 20 year system warranties available for commercial projects and 20 year material warranties available for residences





## SA-APP KoolCap® Common Misconception

**“I can install a CRRC rated roof cheaper by buying standard SA modified bitumen and coating it after it is installed.”**

**Answer:** A roofing system using SA-APP KoolCap G with its factory-applied coating qualifies as both a CRRC rated and California Title 24 rated system without post-application coating. Although the cost of a standard SA Modified Bitumen cap sheet is significantly less expensive than SA-APP KoolCap G, the material costs for an CRRC rated product or Title 24 rated post installation coating pushes the installed material costs over the costs of the SA-APP KoolCap G system.

SA-APP KoolCap G is a CRRC rated and California Title 24 rated product. In order to meet CRRC rated or Title 24 requirements with a standard granular surfaced self-adhered modified bitumen cap sheet, a coating must be applied over the newly installed cap sheet. Here is a comparison of material costs for a KoolCap G roofing system versus a standard SA granulated modified bitumen cap sheet to meet CRRC rated and Title 24 requirements. These comparisons are for a 20-square job with just a cap sheet and include a 20% mark-up for the contractor price.

### KoolCap meeting Title 24

Size of Job in Squares	KoolCap Roll Price	KoolCap Sheet Total Cost	Touch-Up Kit	Total Title 24 Job Costs
20	\$114.00	\$2,280.00	\$180.00	\$2,460.00

### SA-APP Cap Sheet with Elastomeric Acrylic Coating meeting Title 24

Size of Job in Squares	Cap Sheet Roll Price	Cap Sheet Total Cost	A-320 Cost	A-300 Cost	Total EAC Coating Cost	Total Title 24 Job Costs
20	\$74.40	\$1,488.00	\$774.00	\$612.00	\$1,386.00	\$2,874.00

### SA-APP Cap Sheet with Silicone Coating meeting Title 24

Size of Job in Squares	Cap Sheet Roll Price	Cap Sheet Total Cost	2-part Epoxy Primer Cost	Silicone Coating Cost	Total Silicone Coating Cost	Total Title 24 Job Costs
20	\$74.40	\$1,488.00	\$720.00	\$1450.80	\$2170.80	\$3658.80

**Core Fact: SA-APP KoolCap G is less expensive than a post-installation coating to attain a California Title 24 rating.**

**Core Fact: The contractor does not have to return to the job 30 days after installation to apply a coating to achieve California Title 24 ratings.**

*Numbers for calculation purposes only, valid as of October 2018*



### **How much more expensive is it than Mule-Hide SA-APP Cap Sheet?**

The material price of SA-APP KoolCap G is approximately 50% higher than Mule-Hide's SA-APP Cap Sheet. The benefits of installing SA-APP KoolCap G are truly realized when a highly reflective, multi-ply roofing system is desired by the building owner or legislated by the government. The factory-applied reflective coating is applied more consistently and better bonded to the cap sheet than a post-installation coating needed to make a standard SA Modified Bitumen roofing system CRRC rated or Title 24 compliant.

### **Does it weld differently with the coating?**

Yes, it will take slightly more heat or cause you to move slower to create a good weld when seaming over coating.

### **Why do I need to buy the Touch-Up Kit?**

If the Touch-Up Kit is not used, the surface of the roof will be "zebra striped" and diminish the intent of the highly reflective factory-applied coating. The black edges of the seams are enough to detract from the overall appearance of the roof. *Please note the color of the Touch-Up Kit is not an exact match to the color of the KoolCap membrane.*

### **Who is the targeted market for SA-APP KoolCap G?**

SA-APP KoolCap appeals to those design professionals and building owners who want the reflectivity of a white single-ply but demand the increased puncture resistance of a multi-ply system or modified bitumen system.

