



CLAD-GARD™ SA-FR
Frequently Asked Questions



Firestone
BUILDING PRODUCTS
NOBODY COVERS YOU BETTER.™

INTRODUCTION

Firestone Building Products is pleased to introduce the only self-adhered, waterproofing UL Class A underlayment on the market today that brings water and fire protection to a whole new level: CLAD-GARD™ SA-FR with CoreGard™ Technology. To help you understand the product a bit more and introduce you to the new technology, we have answered some general questions outlined below.

■ WHAT IS UL CLASS A?

- » UL Class A, B or C is a measure of the external spread of flame on a roof surface. A number of fire test laboratories including Underwriters Laboratories (UL) and FM Global (FM), conduct this test using either the ASTM E 108 or UL 790 Standard. The best rating achieved is UL Class A, which is described by UL as “effective against severe fire exposure.”

■ WHAT QUALIFIES FOR UL CLASS A ON METAL?

- » UL Class A roof assemblies include ferrous or copper shingles or sheets, metal sheets and shingles, clay or concrete roof tile or slate installed on non-combustible decks or ferrous, copper or metal sheets installed without a roof deck on non-combustible framing. Only min 16oz copper qualifies for UL Class A if it is on a combustible decking. Steel and aluminum do NOT qualify for UL Class A on their own and will require a tested assembly to qualify.

■ BUT I DIDN'T THINK METAL WOULD BURN, WHY DO I NEED A FIRE RETARDANT MATERIAL?

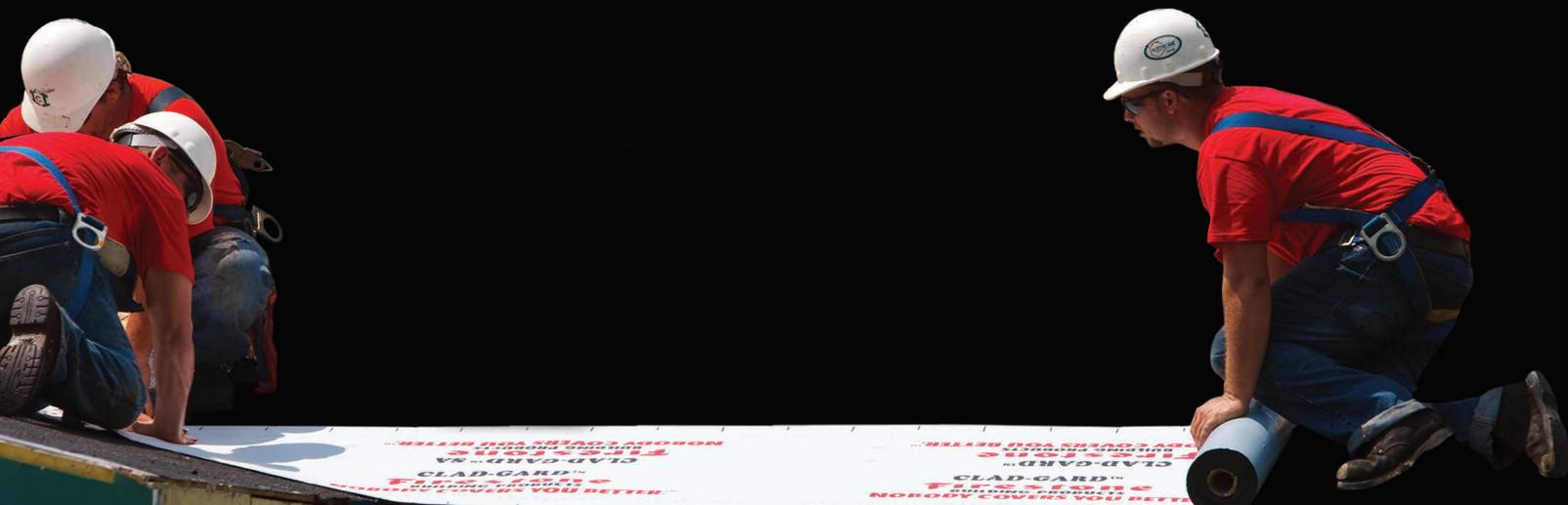
- » The only type of metal that qualifies for UL Class A is min 16oz copper. All other metal materials need a tested assembly to qualify for UL Class A on a combustible deck.
 - Aluminum will melt away when exposed to high temperatures.
 - Steel is a very good heat conductor and the heat will transfer and ignite the substrate.

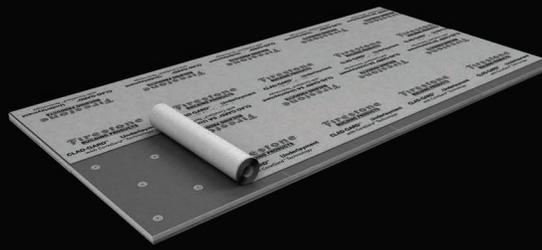
■ IS CLAD-GARD SA-FR MORE EXPENSIVE THAN THE OTHER UL CLASS A SYSTEMS?

- » No, it actually eliminates additional material(s) and installation time resulting in significant cost savings.

■ IS CLAD-GARD SA-FR EASY TO INSTALL?

- » Yes, it is a self-adhering waterproofing membrane just like our CLAD-GARD SA and R products. This product installs the same way.





■ **WHAT ARE SOME ADDITIONAL BENEFITS OF CLAD-GARD SA-FR?**

- » It is the only Self-Adhered (SA), Waterproofing, UL Class A metal underlayment on the market. Because of this, you can eliminate at least one layer of material currently required to qualify for UL Class A, thus saving labor and material costs. Please see the graph below which quantifies these savings.



PLEASE NOTE: The above chart is in reference to a 20k sf job

■ **WHO ARE THE BOSSES THAT INFLUENCE UL CLASS A?**

- » Architects will specify this product, but contractors will benefit from the labor and material savings. Both are important parties that will influence the decision making process.

■ **HOW LONG CAN CLAD-GARD SA-FR BE EXPOSED?**

- » It can be exposed for at least four months (120 days).

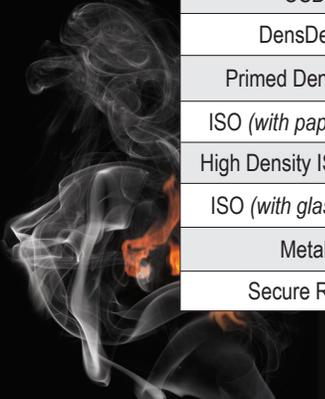
■ **WILL I RECEIVE A UL CLASS A RATING ON ANY DECK WITH ANY ROOF COVERING AT ANY SLOPE WITH CLAD-GARD SA-FR? OR ARE THERE LIMITATIONS?**

- » No. At this time, other roof coverings (outside of metal) have not been evaluated with CLAD-GARD SA-FR. However, there is no limit on slope when using with a metal roof assembly.
- » The CLAD-GARD SA-FR has not been tested when used with expanded or extruded polystyrene.

■ DOES CLAD-GARD SA-FR REQUIRE A PRIMER? IF SO, DOES THAT AFFECT THE FIRE-RESISTANCE OF THE ASSEMBLY?

- » A primer may be required in certain applications, such as low temperature, (40 °F or below), but this will not affect the UL fire rating or assembly.
- » Use the current V-Force primers, if required. (See chart below)

Substrates	Primer required if above 40 degrees	Primer needed below 40 °F
Plywood	No (if surface is clean and free of dust)	Yes
Concrete	No (if surface is clean and free of dust)	Yes
OSB	No (if surface is clean and free of dust)	Yes
DensDeck	Yes (no if surface is clean and free of dust)	Yes
Primed DensDeck	No (if surface is clean and free of dust)	Yes
ISO (with paper facer)	Yes	Yes
High Density ISO Board	No (if surface is clean and free of dust)	Yes
ISO (with glass facer)	No (if surface is clean and free of dust)	Yes
Metal	No (if surface is clean and free of dust)	No
Secure Rock	Yes (no if surface is clean and free of dust)	Yes



■ HOW DO I LAP CLAD-GARD SA-FR / HOW MUCH DO I HAVE TO OVERLAP IT? IS THERE A SELVEDGE EDGE OR DOES IT STICK TO ITSELF?

- » Lap will be the same as self adhered 3" side lap, 6" headlap; roll it in just as the CLAD-GARD SA installs currently.
- » There is a selvedge edge.
- » It will stick to itself.

■ HOW DOES THE ADHESIVE ON CLAD-GARD SA-FR COMPARE TO CLAD-GARD SA AND COMPETITIVE SA UNDERLAYMENTS?

- » The table below shows the comparison between CLAD-GARD SA-FR, CLAD-GARD SA and a premium competitive underlayment. The test was carried out at room temperature (~72 °F).

» Average Load Per Inch (lb/in)

