

ROOF PA100

COMPETITOR COMPARISON



ROOF PA100 IS OUTPERFORMS AND OUT-PROTECTS THE COMPETITION IN TERMS OF DURABILITY AND FLEXIBILITY. ITS THERMAL CAPABILITIES KEEP BUILDINGS COOLER IN SUMMER AND WARMER IN WINTER, WHICH TRANSLATES INTO ENERGY SAVINGS!

Roof PA100's polyaspartic formulation provides excellent adhesion and durability for roof protection. The unique thermal capabilities of Roof PA100's formula set it apart from the competitors. The combination of low thermal conductivity, high reflectivity and high emissivity can provide noticeable energy savings. With durability paired with savings, Roof Guard is the superior choice for roofing repair.

DURABILITY & FLEXIBILITY

Roof PA100 offers excellent roof repair and protection from water damage, water ingress and membrane failures.

Polyaspartic coatings like Roof PA100 are made up of 2-components, a base and a hardener. Polyaspartic roof coatings last around 25% longer than silicone roof coatings, and create a watertight barrier to protect roofs from water damage or ingress. Roof PA100's polyaspartic formulation is also super-resistant to stains and damage caused by strong acids and oils, which makes it an ideal choice for rooftops with heavy HVAC units or condensers.

One unique feature of Roof PA100's formulation is its flexibility. Roof PA100, after full curing is complete, can still expand up to 3X further than market competitors. This means the coating can expand and contract with changing temperatures without risk of cracks or failure. Roof PA100's flexibility also means it is able to be used for crack bridging, preventing further deterioration and surface damage to existing roofs.

SURFACE PREP

Unlike other roof coatings which require that you choose a primer based on substrate type, Roof PA100 is part of Armus's complete roofing repair system.

Our Water-borne Epoxy Primer is a universal primer for all roofing substrates and can be applied to clean and dry roof surfaces directly. Not only does Armus WBE Primer provide excellent adhesion to our Roof PA100 topcoat, but also creates an additional protective waterproof base layer.

ROOF PA100 FEATURES:



SEAMLESS APPLICATION



ULTRA-DURABLE



HIGH REFLECTIVITY & EMISSIVITY



FLEXIBLE FOR CRACK-BRIDGING



THERMAL INSULATION



WATERPROOF & WEATHER-PROOF

IF YOU'RE UNSURE IF ROOF PA100 IS RIGHT FOR YOU, CONTACT US AT INFO@ARMUSSOLUTIONS.COM AND WE'LL PUT YOU IN TOUCH WITH ONE OF OUR ROOF PA100 EXPERTS.



ROOF PA100

COMPETITOR'S
POLYASPARTIC
ROOF COATINGS

TRADITIONAL
SILICONE ROOF
COATINGS

COOLING WHITE
ROOF PAINT

DURABILITY

Studies have proven that polyaspartic coatings like Roof PA100 are longer-lasting and require less maintenance than silicone roof coatings.



5-10 YEARS
EXTENDED ROOF LIFE



5-10 YEARS
EXTENDED ROOF LIFE

2-5 YEARS
EXTENDED ROOF LIFE

1-3 YEARS
EXTENDED ROOF LIFE

FLEXIBILITY

Roof PA100 has a 612% elongation at break, meaning its flexibility can expand and contract with changing temperatures. Meaning it's able to bridge cracks as well. With more than 3X the flexibility of market competitors, it has a lower failure rate than other coatings.



450%
ELONGATION AT BREAK

50%
ELONGATION AT BREAK

250%
ELONGATION AT BREAK

250%
ELONGATION AT BREAK

100% VOLUME SOLIDS

With 100% volume solids, Roof PA100 is easier to apply and less likely to drip or sag in higher temperatures. With a faster touch-dry time than most roof coatings, Roof PA100 can be applied without the risk of sagging, reducing surface defects.



100%
VOLUME SOLIDS

80%
VOLUME SOLIDS



90%
VOLUME SOLIDS

55%
VOLUME SOLIDS

CHEMICAL RESISTANCE

Polyaspartic coatings have better chemical resistance than other roofing coatings. They are more resistant to oil stains and strong acids. This means on a roof with heavy HVAC units or condensers, Roof PA100 stands up against equipment stains better than the other guys.



SUPER-RESISTANT
TO STRONG ACIDS & OIL

GOOD RESISTANCE

NOT RESISTANT TO
STRONG ACIDS
& SOME SOLVENTS

STRONG RESISTANCE

MAY BE STAINED BY
STRONG ACIDS
& OIL FROM
HVAC / CONDENSERS

LOW RESISTANCE

MAY BE STAINED BY
STRONG ACIDS
& OIL FROM
HVAC / CONDENSERS

EASIER SURFACE PREP

The complete Armus roofing repair system pairs our Water-borne Epoxy Primer and Roof PA100 as a performance topcoat. Unlike other primers, our primer is universal, and your surface doesn't need to be perfectly smooth. Armus WBE Primer works on all roofing substrates, as long as the material is clean and free of loose debris. Armus cuts your surface prep in half.



**USE WITH ARMUS
WBE PRIMER**
ON ALL ROOF SUBSTRATES

PRIMER MAY BE
REQUIRED DEPENDING
ON THE TYPE
OF SUBSTRATE

NEEDS A NEAR-FLAT
SURFACE &
MULTIPLE COATS.
UNEVEN SURFACE MAY
AFFECT COATING
PERFORMANCE.

PRIMER REQUIRED

NEEDS A CLEAN, FULLY
REPAIRED SURFACE.

PRIMER REQUIRED

THERMAL INSULATION

The lower your thermal conductivity coefficient, the better your formulation is at insulation. In roof coatings, this helps keep buildings warmer in the winter and cooler in summer, saving on energy costs. Check out the comparison here. The lower the measurement here, the better the coating is at insulation.



0.08 W/mK

0.18 W/mK

NONE

0.50 W/mK

REFLECTIVITY / EMISSIVITY

Reflecting and emitting trapped heat helps keep roofs and buildings cooler in warmer seasons, reducing energy usage. The higher the numbers are here, the better.



93% REFLECTIVITY
93% EMISSIVITY

70% REFLECTIVITY
90% EMISSIVITY



90% REFLECTIVITY
88% EMISSIVITY

85% REFLECTIVITY
90% EMISSIVITY