

Roofing During a Supply Chain Crisis

10 Months Saved by Using PM Silicone



SILICONE ROOFING SYSTEMS

Roof Size
55,000 square feet

Substrate
Gravel Built Up

Location
Miami, FL



Project Overview

As the COVID pandemic continues to ravage supply chains around the globe, the roofing industry has not been spared. Roofing materials have been in short supply and in some cases completely unavailable. In this case study, we look at a Florida business owner who had no luck finding single ply membrane to replace their current gravel built up roof. The owner was told it would take at least 10 months before the materials would arrive. Located in Miami, the building couldn't wait that long as coastal weather can wreak havoc on weathered roofs. PM Silicone was recommended not only due to its availability, but due to the SL-800 system made specifically for gravel built ups roofs.



PM's SL-800 Surface Leveler Silicone

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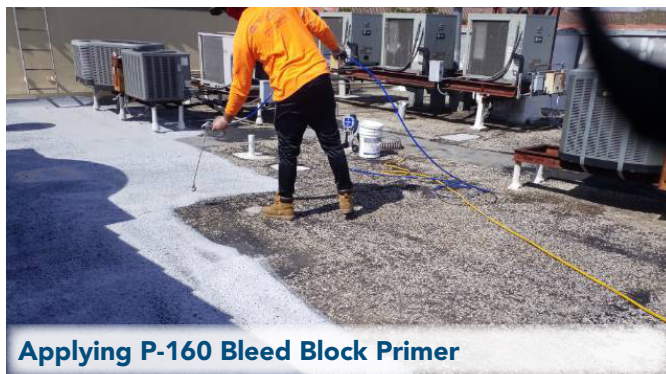
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The Problem

The location of this building was the key issue. Between the high level of UV rays beating down on the roof, the salty air, and the immense rain that can come at any moment, Miami is hard on roofs. Waiting 10 months for single ply materials to arrive could have been detrimental to the building. If the roof failed before the single ply was available, the owner would be forced to sit and watch while the damage progressed. Thankfully, PM Silicone has been fully stocked throughout the pandemic and was able to offer a solution for this owner's gravel roof.



Before



Applying P-160 Bleed Block Primer

The Solution

For years, there was no cost-effective roof restoration system for gravel built up roofs. Installing silicone would require such thick - to get into all the cracks and crevasses of the gravel - that it has always been cheaper to simply replace the roof. Thanks to PM Silicone's SL-800, however, things have changed. Through extensive research & development, PM created a formulation of silicone that has great adhesion without breaking the bank. This layer acts as a buffer between the roof and the silicone top coat to ensure cost-effective adhesion without sacrificing UV stability and overall durability. Here is how the system was installed on this roof:

1. The team powerwashed the roof to remove all loose rocks, grease, or debris.
2. Next, the team used PM's P-160 primer to offer even better adhesion and prevent the roof from yellowing.
3. SL-800 went on next, covering all of the remaining gravel and preparing the roof for the final top coat.
4. Finally, HS-3201 was applied to give the roof a UV stable, seamless membrane.

Conclusion

In just a matter of weeks, the roof was completely restored. Its white finish will help lower the building's temperature, saving the owner money on energy costs. The seamless membrane will ensure no water gets into the building. The building owner was very satisfied with the final product and now has a seamless roof with a 10-year warranty to protect their building.



Applying SL-800 Surface Leveler Silicone



HS-3201 Silicone Roof Coating

