

GAF Project Profile

A roof that keeps students dry and helps pilots fly.

About Normandy High School

The Normandy High School building, constructed in Parma, Ohio in 1968, is more than a landmark. It's also a pilots' navigation aid, recognized by the Federal Aviation Administration (FAA). Two large domes, visible from the street and unmistakable from the air, serve as guideposts for pilots flying into Cleveland Hopkins International Airport just ten miles away. One dome covers an auditorium and the other a gym. The domes' distinctive "Patina Green" is an official color used by the FAA both for navigation and also appears in their agency logo.



Project Summary

- **Solution:** Renewal with GAF High Solids Silicone Roof Coating
- **Project Completion:** August 2025
- **Building Type:** Education

Job Details

- **Size:**
 - Two domes: 57,300 sq.ft.
 - Classroom wing: 39,000 sq. ft.
 - Vertical walls: 2,400 sq ft.

Featured Materials

- GAF High Solids Silicone Roof Coating

Challenges

When it came time to restore the domes and the flat roof classroom wing of Normandy High School, GAF Coatings Pro+ Contractors* **West Roofing Systems, Inc.** faced structural and aesthetic challenges.

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Both sections of roof are SPF, and a significant amount of the foam had become saturated — possibly indicating a leak, and certainly reducing the foam's insulation capability — and needed replacement.

West Roofing Systems also needed to match the precise Patina Green of the domes in order to preserve the FAA's navigation details. The shape of the domes and unrailed edge also presented a potential hazard to the roofers. The 3rd floor classrooms required a 100% safety monitor and warning line system, while the dome required 100% tie-off and the use of a manlift.

Finally, the whole project faced an immovable deadline: the start of the new school year.

Solution

West Roofing Systems, Inc. has worked with the Parma City School District since the 1980s, collaboratively maintaining between 10 and 15 school roofs each year without disruption. Mutual respect and a long, successful track record positioned West Roofing to make a comprehensive restoration recommendation that fit within the school's budget and long-term plans.

While a full-tear-off was a possibility, West Roofing Systems recommended a more cost-effective and less wasteful solution: repair and recoat featuring GAF High Solids Silicone.

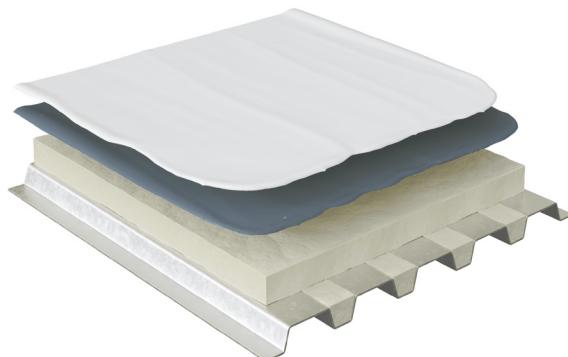
First, West Roofing inspected the roof in the company of a school representative, identifying approximately 5,760 square feet of saturated SPF on the domes and classroom wing flat roof that needed to be removed and replaced. After the repair, West Roofing removed loose granules, did a complete power wash, masked all of the rooftop mechanical equipment, and encapsulated the vertical walls of two penthouses with new spray foam.

Following successful adhesions tests, they applied a base coat of GAF High Solids Silicone to achieve a dry-film thickness of 15 mils. Once cured, they applied a top coat of High Solids Silicone — in white for the classroom wing and custom-matched Patina Green for the domes — to achieve a dry-film thickness of another 15 mils.

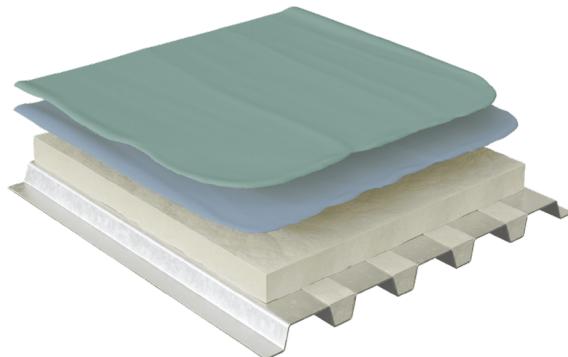
The flat-roof classroom wing received ceramic granules for added UV, impact, and slip resistance for other trades' foot traffic.[†]

Normandy High School

All assemblies include a GAF High Solids Silicone top coat over appropriately prepared existing substrates.



GAF High Solids Silicone over Spray Polyurethane Foam in Light Gray and White



GAF High Solids Silicone over Spray Polyurethane Foam in Light Gray and custom-matched Patina Green



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Throughout the project, West Roofing carefully minimized potential overspray, since the school was open for sports and faculty business in the summer.

The resulting roofing system is fire rated Class A per UL 790, and the owner was granted a 20-year, NDL, NPR, Renewable Warranty.

Greg Pollock, Business Operations and Buildings and Grounds Supervisor for the Parma City School District, said he is definitely satisfied with the job and would consider using GAF roof coatings again to restore and extend the length of other school roofs.

About the Contractor

Since West Roofing Systems, Inc. was established in 1979, they have installed more than 60 million square feet of commercial and industrial roofing. GAF CoatingsPro+ Certified Commercial Contractors, West Roofing Systems specializes in SPF and silicone roofing.

* Contractors enrolled in GAF certification programs are not employees or agents of GAF, and GAF does not control or otherwise supervise these independent businesses. Contractors may receive benefits, such as loyalty rewards points and discounts on marketing tools from GAF for participating in the program and offering GAF enhanced warranties or guarantees, which require the use of GAF products. Your dealings with a Contractor, and any services they provide to you, are subject to the Contractor Terms of Use.

† GAF warranties and guarantees do not provide coverage against traffic except where GAF walkways are applied. Refer to GAF.com for more information on warranty and guarantee coverage and restrictions

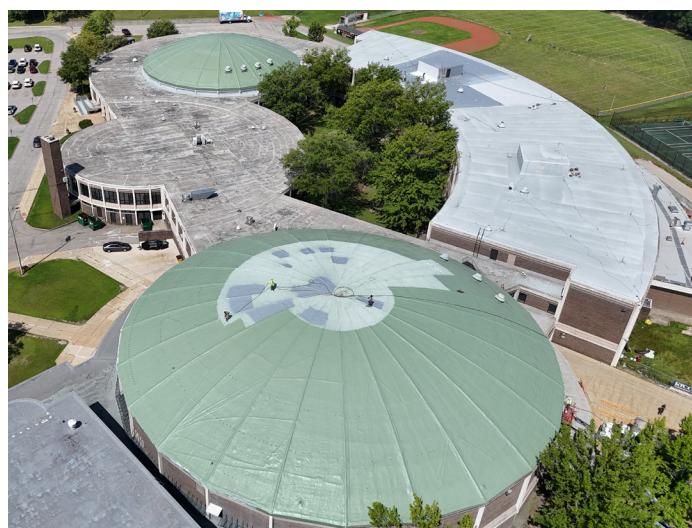
Normandy High School



Dome, before.



Classroom wing, before.



In progress.



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