

CASE STUDY

Architectural and Commercial



Project Specs

Location: Royal Oak, Michigan
Application: FRP Raised Flooring System for Rooftop Dog Park
Product: Micro-Mesh® Molded FRP Grating

Overview

The newly constructed apartment complex located in downtown Royal Oak offers a modern and stylish lifestyle. This building is conveniently situated close to a variety of restaurants and bars, popular boutiques, and fitness clubs.

Problem

The apartments are located above the first level of the building, so dog owners would have had to go down to the first level and walk around the building. Because this apartment complex is located in a bustling neighborhood, it is not convenient for residents to walk their dogs next to such a busy street.

Solution

The architect in charge of the project wanted to design a terrace with a rooftop dog park where the residents' pets had a space to walk, relieve themselves, and socialize with other pets. The rooftop dog park would consist of a fenced-in area with a raised flooring system made of pedestals, fiberglass grating, and a synthetic lawn system. After the Fibergrate sales representative visited the site, discussed the project's needs with the architect, and provided a sample of the material, it was determined that Fibergrate's Micro-Mesh molded fiberglass grating would be the ideal product for this project. Micro-Mesh grating offers corrosion resistant properties that will give this raised flooring system a long service life even after acids in the urine of animals touch the grating. In addition, Micro-Mesh fiberglass grating will not allow liquids to stagnate on the roof, saving our client thousands of dollars in repairs in the long term. The high strength-to-weight ratio of FRP grating was a pleasant surprise for the contractor because it provided a light but sturdy surface that will help preserve the rooftop's structural integrity. The raised flooring system allows rain and other fluids to filter through the synthetic lawn and move efficiently to the draining system on the rooftop surface. Additionally, this raised flooring system extends beyond the fenced-in dog park for pedestrians to enjoy.

The customer was delighted with this project because they can now offer a convenient amenity to dog-owning residents. Tenants will not have to walk their dogs on the street. This installation demonstrates Fibergrate's ability to adapt to any market while showcasing the quality of FRP products and exceptional customer service.



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