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Mold Remediation & Photocatalytic Coating Application at Eon Labs

The Challenge: An outside wall, which was part of the laboratory wall inside of Eon Labs, had shown mold growth and severe discoloration. This was unacceptable for any lab as spores could circulate in the air and contaminate experiments or items used in their work environment.



The Solution: The wall was cleaned with a biocidal cleaner and allowed to dry. The Safe Encasement SE-110 and SE 130MR were chosen for both their properties as a mold resistant and highly durable coating system. The system was then prepped for the Safe Encasement Photocatalytic Coating System. The binders in the Safe Encasement SE-130MR are organic. Since the photocatalyst reacts with anything that is organic, a priming-blocking coat is necessary. The prime coat was dry within a half hour and the Titanium Dioxide Photocatalytic finish coat was applied at approximately ½ micron DFT. This provided them with a system that is self-cleaning and will help rid the lab of any odors and bacteria by oxidation from the reaction of the photocatalyst with the existing fluorescent lighting.

