



The MGM Grand Hotel & Casino - Las Vegas, NV

Towering over the Las Vegas strip is the massive MGM Grand Hotel and Casino; a spectacular building that defines the Las Vegas skyline. High temperatures and heavy maintenance soon took their toll on the 214,000 sq. ft. EPDM roof. To solve the problem, Commercial Roofers of Las Vegas was contracted to install a monolithic, spray-applied polyurethane foam roof over the existing substrate. The foam was then topcoated with UNITED COATINGS' **DIATHON**, a protective, acrylic membrane.

DIATHON forms a permanently flexible, waterproof membrane that provides high-build durability and unsurpassed UV resistance. UNITED'S new fluoropolymer topcoat, **KYMAX**, was used to aid in dirt pick-up resistance and improve durability under foot traffic. The most important attribute of **KYMAX** is its ability to provide the owner with the maximum reflectance value for the life of the system.

Work on this roof is considered very technical due to the large amount of equipment and other obstructions. This also makes it an ideal application for spray-applied polyurethane foam and acrylic coatings.





Polyurethane foam is monolithic, fully adhered and self-flashing. It conforms to the surface profile to form a tough, waterproof membrane offering the highest R-Value of any commercially available insulation material.

Topcoating of the foam is necessary to protect it from UV degradation. UNITED COATINGS pioneered this technology in the 1960's, and remains a world leader in heat reflective, elastomeric roof coatings.

