

Hollywood Casino

PROJECT OVERVIEW

MAPEI supplied surface-preparation products as well as waterproofing and tile-setting products to update the Hollywood Casino in Maryland Heights, Missouri. **ECO Prim Grip** played an important role in reducing time and labor for installing tile over stamped concrete.



PROJECT INFORMATION

Project Category: Hospitality – Casino
MAPEI Sales Rep: Bob Dienstbach
Project Owner: Penn National Gaming, Inc.
MAPEI Distributor: Daltile of St. Louis
General Contractor: Turner Construction Company
Installer Company: Tony Prince Company
Original Designer: Steelman Partners, LLP
Architect: Yaeger Architecture, Inc. / Kuhlmann Design Group, Inc.
Photographer: Michael Marxer
Project Size: 60,000+ sq. ft. (5 574 m²)



MAPEI PRODUCTS USED

- *Mapecem® Quickpatch*
- *Topcem™ Premix*
- *Ultraplan® Easy*
- *Primer T™*
- *ECO Prim Grip™*
- *Mapeguard™ 2*
- *MAPEI SM Primer™*
- *Mapelastic™ AquaDefense*
- *Ultracontact™*
- *Ultracontact RS*
- *Ultraflex™ 2 White*



Hollywood Casino – Maryland Heights, Missouri

Hollywood Casino transforms its interior floor space

New owner gives popular entertainment site a facelift.

In 2012, Penn National Gaming, Inc. purchased Harrah's Casino in Maryland Heights, Missouri. During 2013 and the first quarter of 2014, Penn remodeled the casino with their "Hollywood" brand by using 1930's art deco decor. Penn partnered with Turner Construction Company to assist with this \$62-million transformation.

A complete renovation was made of the casino floor, which holds about 60 table games and over 2,100 slots and video poker machines. A favorite St. Louis restaurant, Charlie Gitto's, is still present; other restaurants' menus have changed, and two new restaurants have opened.

MAPEI products at work on the jobsite

Tony Prince Company (a member of Carpet, Linoleum & Tile Layers Local Union 1310) was contracted to install the interior floor over stamped, patterned concrete. Tony Prince Company reached out to Daltile and MAPEI to supply the floor-installation products.

The challenges that the installers overcame included flattening 6" (15-cm) variances in the elevation of the floor while the casino continued operating. (Bax Engineering Company was contacted by Tony Prince Company to laser scan the interior floor of the Hollywood Casino in order to determine the floor elevation changes of the main corridor walkway.)

As with any remodel, less-than-ideal substrates were exposed. The existing stamped, patterned concrete was bead blasted, which exposed cracking that was treated with **Mapeguard 2** sheet membrane and **MAPEI SM Primer. Primer T** and **Ultraplan Easy** self-leveling underlayment were used to level any existing depressions that the laser scan found. **Mapecem Quickpatch** concrete patch was used near the elevators and in other areas where the changes in elevation required a gradual transition.

Areas along the pathways were addressed with **ECO Prim Grip** primer in order to prepare the substrate to receive tile work. In some areas of the concourse where bead blasting was not feasible (generally in the restaurant areas), the installation crews also used **ECO Prim Grip**.

Mapelastic AquaDefense waterproofing membrane was used in the public restrooms in the casino and also in the employee restrooms. Ceramic tile was set on the restroom walls with **Ultraflex 2** mortar and on the restroom floors with **Ultracontact** mortar.

In the concourse, on the pathways and in the restaurants, **Ultracontact** and **Ultracontact RS** mortar were used to install a wide variety of tiles:

- 36,500 sq. ft. (3 391 m²) of 12" x 12" (30 x 30 cm) honed Inca Gold limestone from a quarry in Pakistan, used to set tiles in concourses and on pathways
- 7,900 sq. ft. (734 m²) of 12" x 12" (30 x 30 cm) polished Absolute Black granite, used to set tiles in the borders of the concourses and pathways
- 3,800 sq. ft. (353 m²) of 12" x 12" (30 x 30 cm) honed Isis Cream marble from Egypt
- 360 sq. ft. (33,4 m²) of 4" x 8" x 3/8" (10 cm x 20 cm x 10 mm) Owensboro thin-brick sierra tile
- 250 linear ft. (76,2 m) of 2.5" x 12" (6,3 x 30 cm) Isis Gold marble from Egypt for chair rails
- 3,300 sq. ft. (307 m²) of 6" x 6" (15 x 15 cm) quarry tile in gray, chocolate and black from Daltile
- 677 sq. ft. (62,9 m²) of 8" x 8" (20 x 20 cm) Quarry Tile Naturals from American Olean
- 2,870 sq. ft. (267 m²) of 16" x 16" (41 x 41 cm) Dome Walnut tile from Arizona Porcelain Tile
- 150 sq. ft. (13,9 m²) of 8" x 8" (20 x 20 cm) Dome Walnut tile from Arizona Porcelain Tile
- 780 sq. ft. (72,5 m²) of 12" x 12" (30 x 30 cm) polished Labrador Antique granite from Norway
- 1,200 sq. ft. (111 m²) of 12" x 24" (30 x 61 cm) Metalwood tiles from Arizona Porcelain tile
- 2,600 sq. ft. (241 m²) of 2" x 8" (5 x 20 cm) Chinese terracotta tiles

In the rotunda, the installers set stone slabs to form a 30' x 30' (9,14 x 9,14 m) medallion. The following honed and polished stone was set with **Ultracontact**:

- Four slabs of 6' x 9' x 0.79" (1,83 m x 2,74 m x 2 cm) Blue Pearl granite from Norway
- Six slabs of 6' x 9' x 0.79" (1,83 m x 2,74 m x 2 cm) Isis Cream marble from Egypt
- 14 slabs of 6' x 10' x 0.79" (1,83 m x 3,05 m x 2 cm) Sienna Gold travertine from Spain
- 22 slabs of 5' x 8' x 0.79" (1,52 m x 2,44 m x 2 cm) Inca Gold limestone from a bedrock quarry in the Indus Valley region of Pakistan

