



Sealing, Stabilising, Protecting Paving

CASE STUDY

Project: Sun City Hotel & Casino
Client: Sun International Group
Site: Sun City Hotel & Casino, South Africa
Contractor: Boss Paving
Engineer: Zutari
Architect: DSA Architects International
Area: 3,000m²
Product: Resiblock '22' WB & Resiblock Resiecco
Date: 2025



The Site

The Sun City Casino Hotel opened in 1979 and has been one of South Africa's premier tourist destinations ever since. In 2025 it underwent a ZAR390Mil (GBP17.5Mil) refurbishment. An essential part of this major refurbishment was the re-engineering of traffic flows. Access roads and the portecochere were redesigned, modernised and paved with new block paving.

Problem

Due to the plan size of the pavers (300mm in length with an aspect ratio of 3:1), the architects were concerned about the interlock of the pavers installed in a herringbone pattern. In addition to this, the areas were to be subjected to heavy vehicular traffic, including frequent busses. It was recognised that special consideration should be given to the jointing and the interlock it creates. Therefore, Resiblock 22 WB was specified to stabilise the sand joints.

Solution

Cretesol, Resiblock's distributor for South Africa, were able to showcase to the client the long-term benefits of utilising Resiblock to seal and stabilise jointing sand, ultimately allaying the fears that were shared by both the client and architect. Following discussions & the installation of new paving in 2025, the entire 2,000m² of paving at the Hotels' entrance was sealed with Resiblock '22' W.B, with a further 1,000m² of paving being sealed with Resiblock Resiecco throughout the hotel walkways and entertainment sectors.

Resiblock & Cretesol have worked in partnership since 2018, culminating in the sealing of multiple sites throughout South Africa, including the airport aprons at Cape Town International Airport (similarly requiring stabilisation to protect against frequent bus traffic) and Somerset East Airport.

Benefits

Stabilisation of the sand filled joint notwithstanding cleaning regimes and trafficking whilst imparting the following additional benefits:



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- Prevents jointing sand loss ensuring excellent structural performance
- Significantly reduces staining by food and drink, therefore reducing cleaning costs
- Virtually eliminates residual staining by chewing gum oils, maintaining paver aesthetics
- Inhibits the growth of weeds and grass in joints reducing maintenance and improving structural performance
- Environmentally friendly – solvent free ensuring safety in both environmentally sensitive areas and for installers



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