

# MARINA BAY SANDS

# ROOFING

# COMMERCIAL



## PROJECT ID

This iconic complex consists in three 55-storey towers capped by a 1.2 hectare of sky park, made famous by its 150m-long infinity pool. It hosts a 2560-rooms hotel, two theaters, a casino, a museum and numbers of shops and restaurants.

## YEAR

2011

## LOCATION

Singapore

## PROJECT SIZE

140.000 m<sup>2</sup>

## ARCHITECT

Moshe Safdie  
AEDAS

## REQUIREMENTS

To provide a durable and comfortable indoor acoustic environment with the metal roof structure:

- **Waterproofing:** lightweight waterproofing layer for unexposed application.
- **Soundproofing:** mitigate airborne noise on metal structure and transmission across large spaces.

## SOLUTIONS

- **COLPHENE SELF-ADHESIVE** underlayment membrane was used to suit for unexposed waterproofing systems.
- **TECSOUND** acoustic insulation was used in the metal roofing system for effective absorption of airborne sound, so that to reduce the noise level of ambient environment.