

## SINGAPORE Riverside

Grand Copthorne Waterfront Hotel  
.....

## AT A GLANCE

PROJECT NAME	Grand Copthorne Waterfront Hotel
SITE	Singapore, Riverside
AREA	1,783 sq. ft.
PRODUCT	V-KOOL 70
COMPLETED	September 1999

The Grand Copthorne Waterfront Hotel is a 539-room, 5 star lifestyle hotel with a perfect location. Near the cultural and entertainment districts of this Island city, it offers a panoramic view of the vibrant river promenade. Situated along the historic Singapore River and just 5 minutes away from the Central Business District (CBD), it is easily accessible to the shopping and entertainment areas of Chinatown and the famous Orchard Road. Room categories include Superior, Deluxe, Executive Club, Suites and a Presidential Suite. Other 5 star facilities include formal and casual dining -- the hotel offers a diverse range of cuisines, from International to Asian fare-- as well as a full business center. The developer (and owner) of the building is none other than City Development Limited, or CDL, a renowned Singapore development & construction leader.

Shortly after the inauguration of the hotel, it became apparent that heat gain from morning and afternoon sun, through the hotel's many large clear windows and glass, was a problem. The heat was identified to be most problematic in two restaurants, namely Brio's and Pontini, which experienced immense heat from the afternoon sun. Assistant General Manager of CDL, Mr. Jimmy Loons states, "We've tried curtains, drapes, fabric but (all) not very effective in terms of controlling heat and for aesthetics purposes."

Faced with increased energy consumption and affected business at the two restaurants, a cost-effective and prompt solution had to be found. Recounting how a previous heat problem was successfully resolved with V-KOOL for a tenant (from a former project), Mr. Loon contacted V-KOOL Singapore again for consultation.

The V-KOOL Singapore team responded promptly with a detailed analysis of the hotel's needs using V-KOOL's Customer Needs Analysis model. Part of the process included an Energy Audit Calculation, which helps quantify benefits of the proposed V-KOOL solutions, in terms of payback time. Mr. Loon adds, "I'm very convinced by the energy audit calculation done by the V-KOOL team, the payback and investment studies prove that it is a good system to install."

This 1,783 sq. ft. job undertaken by V-KOOL Singapore required installation to be done away from normal business hours (from 12 midnight to 6am) over a few nights. V-KOOL Singapore is working with CDL to start a pilot scheme for CDL's residential jobs.



INTERNATIONAL HEAD OFFICE  
V-KOOL International  
PSB Science Park Annex,  
#02-19, 3 Science Park Annex  
Singapore 118223  
[www.v-kool.com](http://www.v-kool.com)

USA HEAD OFFICE  
V-KOOL, Inc.  
1735B Northwest Freeway  
Houston, Texas 77040  
[www.v-kool-usa.com](http://www.v-kool-usa.com)

