

Project Profile

BLAST MITIGATION – MARINA BAY SANDS

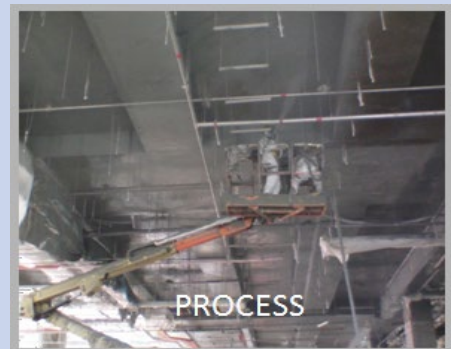
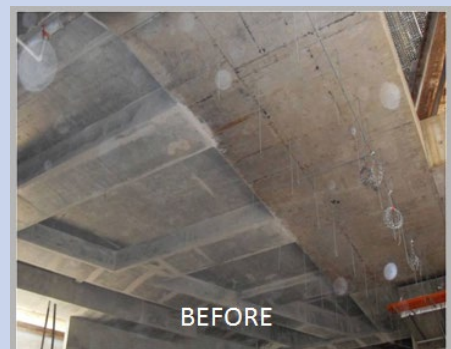
INDUSTRY	: SECURITY-CONSTRUCTION
CLIENT	: MARINA BAY SANDS
CONSULTANT	: MINISTRY OF DEFENSE
PRIME CONTRACTOR	: MARINA BAY SANDS
SUB CONTRACTOR	: KIM HUP CHOR
APPLICATOR	: PJI CONTRACTS
PROJECT	: CASINO ANTI-SPALL
LOCATION	: MARINA BAY SINGAPORE
COATING SYSTEM	: NUKOTE BM /EP PRIME II
APPLICATION TYPE	: DEFRAGMENTATION COATING
COATED AREA	: 6,000 m²
COMPLETION	: NOVEMBER, 2009

DESCRIPTION

Marina Bay Sands requested a system to replace the originally specified 250mm plate steel designed to withstand a potential 2,000 kg vehicular explosion in the access roadways above the Casino.

The objective was to design a system that would maintain structural integrity in this condition taking into account the slab construction and blast potential blast strength. Nukote designed the system and acquired ministry approval based on mathematical calculations which were approved and accepted by the Ministry.

The substrate was prepared by wet abrasive blasting using garnet to create sufficient anchor profile to meet the design specification. The prepared substrate was primed with Nukote EP prime II and then Nukote BM was applied to an average DFT of 6,000 microns (240 mils 6.0mm).



PDS

ISSUE DATE
15/11/2009

NUKOTE COATING SYSTEMS INTERNATIONAL LLC
2250 E TROPICANA AVENUE 19-621
LAS VEGAS, NEVADA 89119
USA

WWW.NCS-INTL.NET