



## > Tile Setting and Flooring Materials



### > Nanyang Technological University Hostel

Nanyang Technological University's (NTU) new residential halls at North Hill was Singapore's first public high-rise buildings using a new "Lego- style" construction method that allows prefabricated individual rooms to be stacked on top of each other.

Whole rooms complete with internal fixtures such as lighting, windows, and fans, are built at the factory and then put together on-site.

A lush green campus, NTU has been named one of the world's Top 15 Most Beautiful Campuses by Business Insider, Travel and Leisure magazine and BuzzFeed.

Known as "Prefabricated Pre-Finished Volumetric Construction" (PPVC), this method saves up to 25 to 40 per cent in manpower and 15 to 20 per cent in construction time. It also reduces noise and dust pollution onsite as more activities are done off-site.

The halls are part of NTU's campus master plan that aims to transform the campus into a bustling mini-city. The project has also been recognised with the Green Mark Platinum –Singapore's highest honour for sustainable building design awarded by the Building and Construction Authority (BCA). As the units are prefabricated off site and transported to several locations for installation, a highly flexible tile adhesive is needed to take the movement of these panels to ensure that no de-bonding occurs. DAVCO's Super TTB premium grade tile adhesive was selected for this project due to its high deformability and flexibility.

#### APPLIED PRODUCT



- DAVCO SUPER TTB

#### TECHNICAL DETAILS

- Investment : \$196 MIL
- Area : 17,000 m<sup>2</sup>

#### > LOCATION

Singapore

#### > CUSTOMER

SINGAPORE PILING & CIVIL ENGINEERING PTE LTD

#### > MARKET SEGMENT

Residential Building

#### > SUBSEGMENT FUNCTION

Tiling

#### > YEAR

2016

#### BRAND



# Davco

**PAREX**  
Building expertise, together