



HPC CONCRETE ADMIXTURE SDN BHD

HPC CONCRETE CONSULTANCY SDN BHD

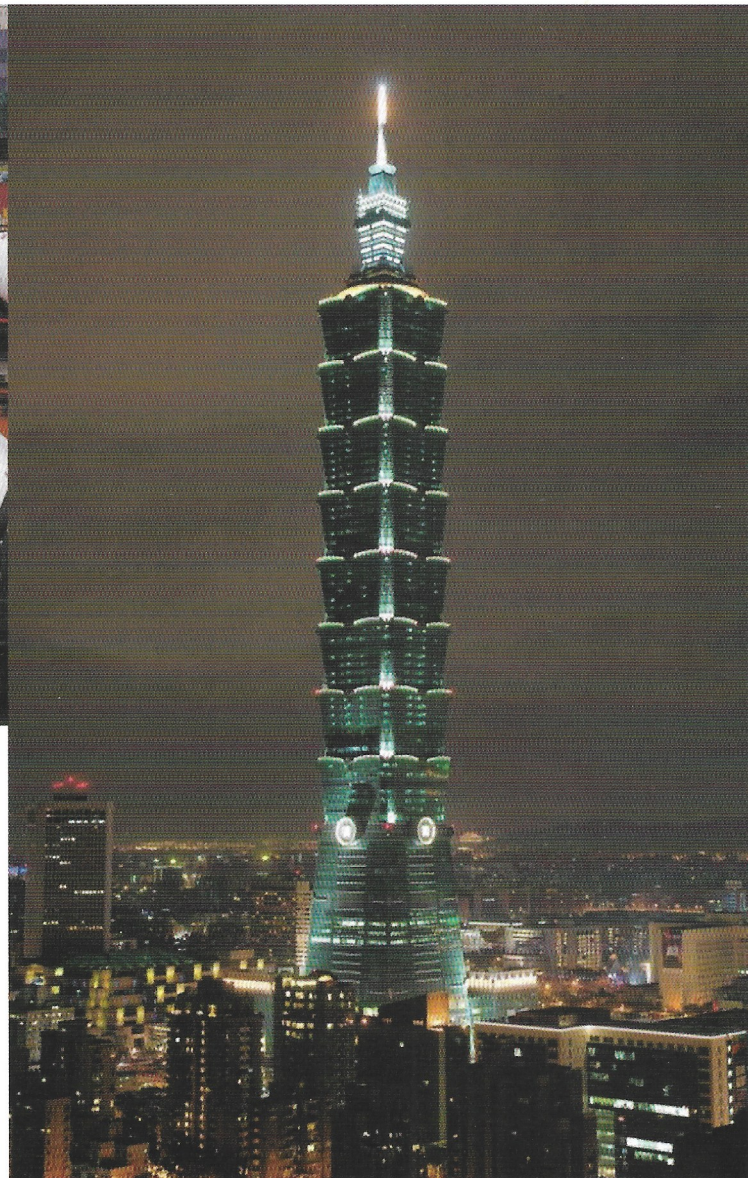
High Performance Concrete (HPC inside)
Engineering Commitment and Service



High Slump & High Flow

High Early Strength

High Permeability-Resistance



☎ **03-5525 1166**

✉ hpcconsultancy02@gmail.com

HPC value

NON-ADDING WATER

- High Slump Workability to Prevent Extra Water
- Controlling W/C Good to Strength
- Less Floating Water & Reducing Shrinkage Crack

GOOD SLUMP RETENTION

(Slump Retention up to 2-4 hours)

- Slump Class S4 & S5
- Reduce Cold Joint and Honeycomb
- Overcome Traffic Jam Issues

HIGH SLUMP & HIGH FLOW

- Slump Class S3, S4, S5
- Easy Pumping & Easy Placing
- Save Working Time & Labor Cost

HIGH EARLY STRENGTH

- Achieve Early Strength For Form Removal by 1, 3, 7 Day Requirement

LONGER BUILDING SERVICE LIFE

- Slump Class S3, S4, S5
- Resist Water Penetration and Reduce Crack
- Comply with Impermeable Concrete by W.P.T Test & RCPT Test

Fresh Concrete by HPC Admixture

Polycarboxylate (PCE)



Consistence Classes

(MS523: PART 1:2017, EN206-1)

SLUMP CLASSES

Class	Slump in mm
S1	10mm to 40mm
S2	50mm to 90mm
S3	100mm to 150mm
S4	160mm to 210mm
S5	≥ 220mm

FLOW CLASSES

Class	Flow diameter in mm
F1	≤ 340mm
F2	350mm to 410mm
F3	420mm to 480mm
F4	490mm to 550mm
F5	560mm to 620mm
F6	≥ 630mm

Class S2

Superplasticizers CM123



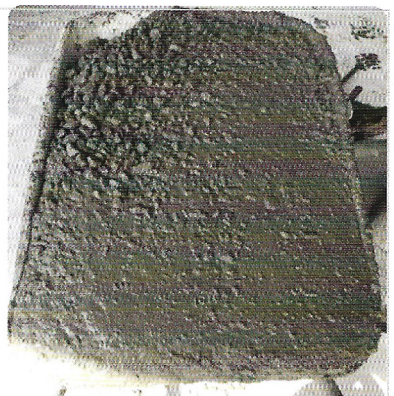
Class S3

Superplasticizers
CM123, CM656



Class S4

Superplasticizers
CM123, CM656, CM727



Class F5

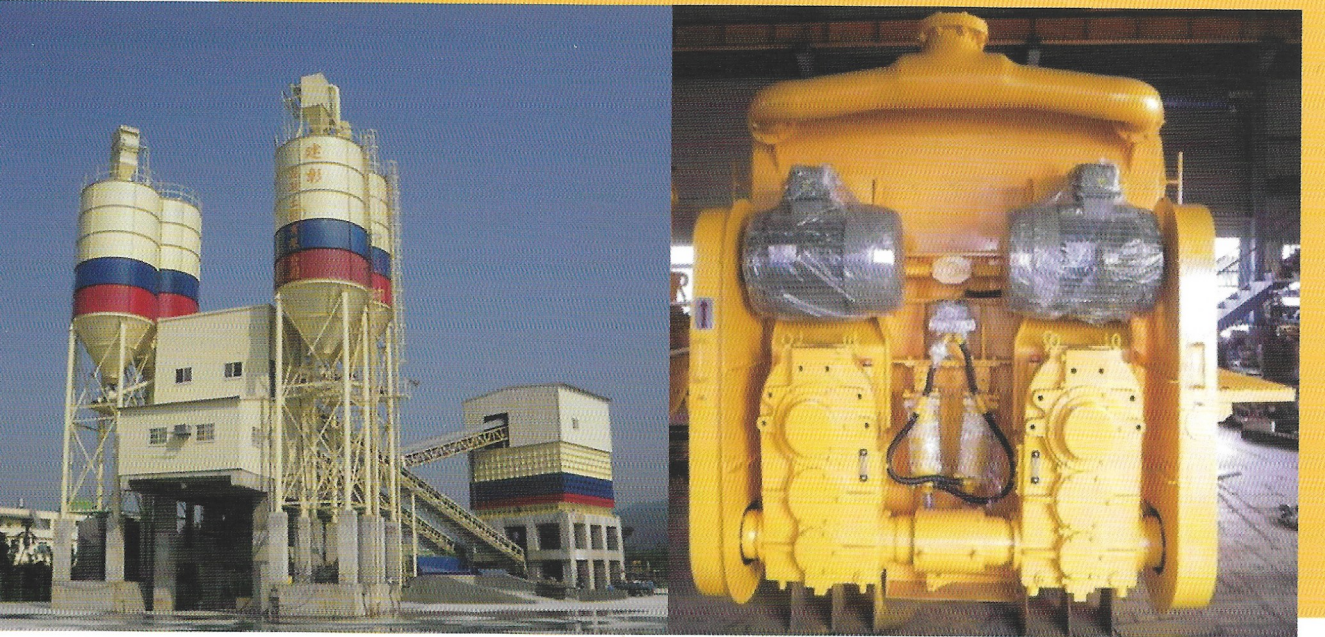
Superplasticizers
CM626, CM656, CM727



HPC Concrete Product S2, S3, S4, S5, F5, F6

Manufacture in Wet Plant & Dry Plant

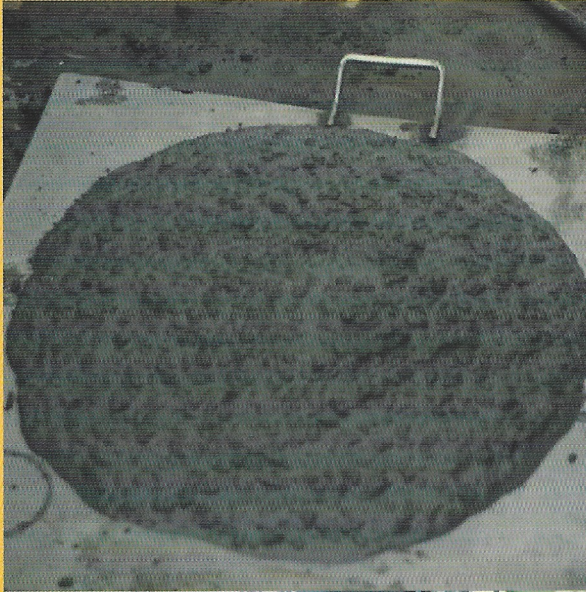
Wet Plant - 3m³ Twin Shafts Mixer



Dry Plant - Drum Mixer



HPC S3, S4 in Pumping



HC
CONCRETE
INSIDE

GUA MUSANG DAM PROJECT



Nenggiri Hydroelectric Dam



HPC CONCRETE CONSULTANCY SDN BHD

TUNNEL PROJECT



Ampang TNB Tunnel

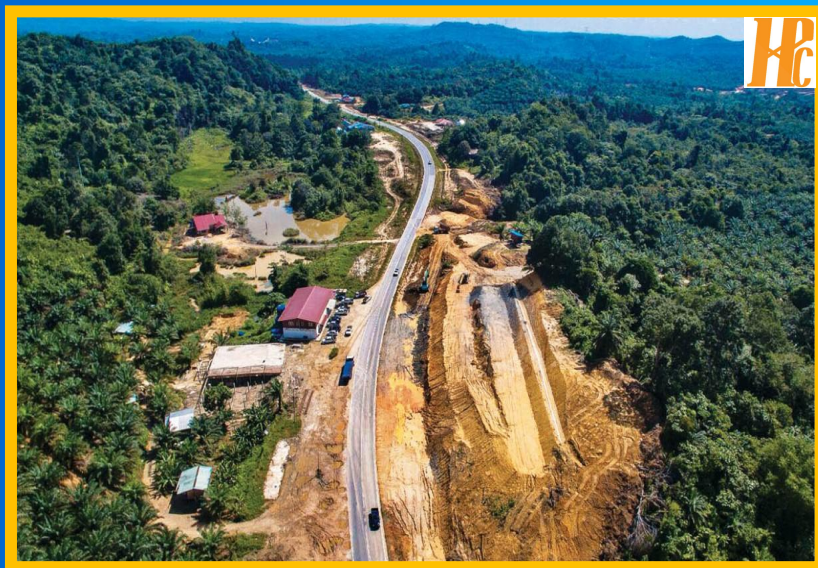


SABAH PROJECT



SICC - Sabah International Convention Centre

SABAH & SARAWAK BORNEO HIGHWAY



**Gamuda NAIM
Pan Borneo Highway**



HPC CONCRETE CONSULTANCY SDN BHD

BRUNEI PROJECT



Ministry of Finance (Brunei)

MRT PROJECT PLANT



Gamuda MRT Project Plant



HPC CONCRETE CONSULTANCY SDN BHD
HPC CONCRETE CONSULTANCY SDN BHD

MRT PROJECT



Gamuda MRT Project

LRT 3 PROJECT



Sunway LRT 3 Project



HPC CONCRETE CONSULTANCY SDN BHD