

# **LAMPIRAN 3**

**(Brosur *Flyslab*)**



# FLYSLAB®

smart solution for multistorey buildings

Flyslab is reengineering design of conventional reinforced concrete slab that throw out unused concrete mass to made light weight concrete slab, but with same behavior as conventional concrete slab at same load capacity applied

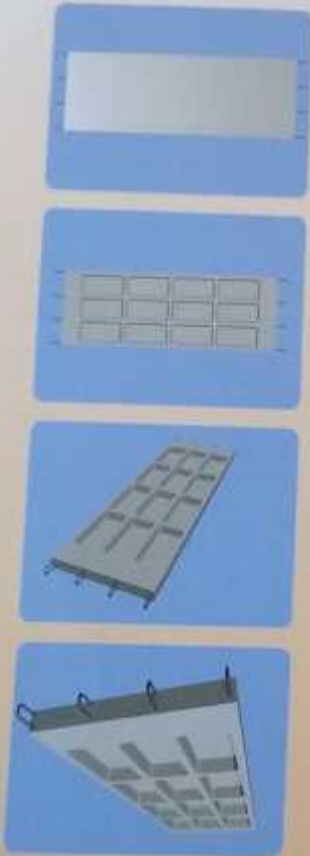


## PT. KINARYA BETON SALATIGA

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Lampiran 3.a Brosur *flyslab*

For construction that will apply ramset or explosive nail gun should applied after 7 days concrete topping



**FLYSLAB**<sup>®</sup>  
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Lampiran 3.b Brosur *flyslab*

Flyslab have pass **ASTM** standard testing to prove that load capacity and deflection of this slab acceptable for International Standard. Engineering behavior of this slab compare with conventional slab shown same behavior at elastic to ultimate limit, over the ultimate limit there is inapplicable zone.

### SPEKIFIKASI DAN CAPACITY

Effective Thickness with Ribs	: 10 cm
Weight per meter square	: 120 Kg
Concrete Grade	: G25 -G40
Reinforcement Steel	: U24, U32, U39
Design Live Load Capacity	: 250 - 300 Kg/m <sup>2</sup>
Max Deflection Capacity 1/300 span	: 350 Kg/m <sup>2</sup>
Yield Strength Concrete Slab	: 720 Kg/m <sup>2</sup>

Technical Data FLYSLAB type CCS.01.01

NO	TYPE FLYSLAB	MUTU BETON	MUTU BESI TULANGAN	MAX LIFE LOAD CAPACITY
1	CCS.01.01.01 800 x 1800 x 100	K-200	U-32	250 Kg/m <sup>2</sup>
2	CCS.01.01.02 800 x 1800 x 100	K-200	U-32	250 Kg/m <sup>2</sup>
3	CCS.01.01.03 800 x 2000 x 100	K-200	U-32	250 Kg/m <sup>2</sup>
4	CCS.01.01.04 800 x 2000 x 100	K-200	U-32	250 Kg/m <sup>2</sup>
5	CCS.01.01.05 800 x 3000 x 100	K-200	U-32	300 Kg/m <sup>2</sup>
6	CCS.01.01.06 800 x 3000 x 100	K-200	U-32	300 Kg/m <sup>2</sup>
7	CCS.01.01.07 800 x 4000 x 100	K-200	U-32	300 Kg/m <sup>2</sup>

Technical Data FLYSLAB type CCS.01.02

NO	TYPE FLYSLAB	MUTU BETON	MUTU BESI TULANGAN	MAX LIFE LOAD CAPACITY
1	CCS.01.02.01 800 x 1800 x 100	K-250	U-32	250 Kg/m <sup>2</sup>
2	CCS.01.02.02 800 x 1800 x 100	K-250	U-32	250 Kg/m <sup>2</sup>
3	CCS.01.02.03 800 x 2000 x 100	K-250	U-32	250 Kg/m <sup>2</sup>
4	CCS.01.02.04 800 x 2000 x 100	K-250	U-32	250 Kg/m <sup>2</sup>
5	CCS.01.02.05 800 x 3000 x 100	K-250	U-32	300 Kg/m <sup>2</sup>
6	CCS.01.02.06 800 x 3000 x 100	K-250	U-32	300 Kg/m <sup>2</sup>
7	CCS.01.02.07 800 x 4000 x 100	K-250	U-32	300 Kg/m <sup>2</sup>

### Dimentions

Flyslab designed to follow project location and lift equipments availability, but from experience we have propose slab size :

Width : 60 cm and 80 cm

Lenght : 200 cm, 240 cm, 300 cm, 360 cm, and 400 cm

To find optimum size we need to discuss with your engineering designer to make detail slab arrangement before starting production.

### EQUIPMENTS

Truck Crane for land transportation or

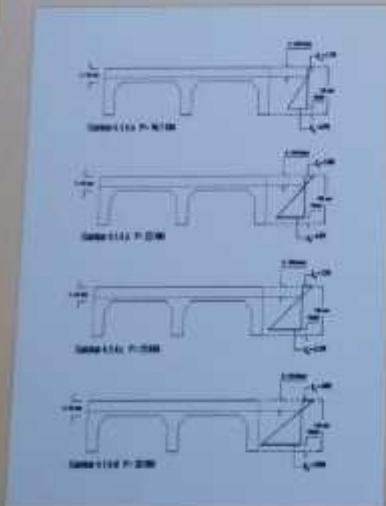
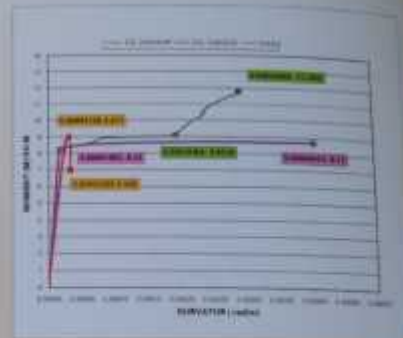
Barge Crane for water transportations.

This crane also needs it for installations period

### APPLICATION AND INSTALLATION

Installation of Flyslab as easily laying above the beam and fixed with casting both side with structural concrete. For finish works should applied concrete topping 2 cm - 3 cm before final floor works, such as ceramic tile, parquet, or others. Special for roof application after concrete topping should apply water proofing layer, membrane or coating

The Structures of plate concrete Flyslab equals with massive concrete slab/conventional. Concrete plate Flyslab is lighter 40% - 50% compared to the massive concrete slab/conventional with the same capacity. It enables to make precast system. It already conducted laboratory testing of materials and construction, majoring in Civil Engineering Diponegoro University with standard ASTM International (American Society for Testing and Materials). Cross section panel cellular concrete slab eliminated or reduced mass concrete. ASTM standards use in developed countries and developing countries in both academic and industrial research. ASTM centered in the United States



#### Advantage of FLYSLAB

- ☑ The structure of the building is more efficient. It is because it uses concrete slab FLYSLAB that light.
- ☑ Management of construction
  - Reduce work items
  - Implementation of fast work
  - Limit work force
  - Form work only for columns & beams
  - Lack of influence from the weather/rain
  - Waste material does not exist, so the job site cleans
- ☑ The construction costs of building more efficient from 25% - 40% compared with the conventional way
- ☑ The building more friendly to the earthquake and it also appropriate with the high-rise building primarily related to the reduction of earthquake load.
- ☑ It provides new ideas in solving interior architect

Subsidiary of :



**PT.KINARYA BETON INDONESIA**

Contact Our Marketing

Lampiran 3.d Brosur *flyslab*

# FLYSLAB®

SOLUSI HEMAT BANGUNAN BERTINGKAT

Pengganti dak konvensional



## DAFTAR HARGA

Ukuran (Meter)	Harga (Rp.)
Panjang <3,3 m	367.000
Panjang 3,3 - 4,5 m	385.000

## Keunggulan :



## Spesifikasi & Kapasitas (Umum)

Ketebalan	:10 cm
Berat per m <sup>2</sup>	:120 Kg
Mutu Beton	:K350
Mutu besi tulangan	:U32:U39
Kapasitas beban Hidup	: 300 Kg/m <sup>2</sup>

- Sudah termasuk biaya pasang
- Belum termasuk topping (pengeroran ± 3 cm untuk lapisan atas flyslab & joint antara Flyslab & Block)
- Produk dibuat sesuai pesanan

## Informasi Produk

FLYSLAB merupakan Plat Beton Pra cetak yang dengan efisiensi bentuk yang dimilikinya menjadikan Flyslab adalah beton ringan. FLYSLAB dapat di aplikasikan untuk kebutuhan dak lantai pada bangunan rumah tinggal & bangunan tinggi.

## Distributor

081329150752  
CILLA



Lampiran 3.e Brosur flyslab