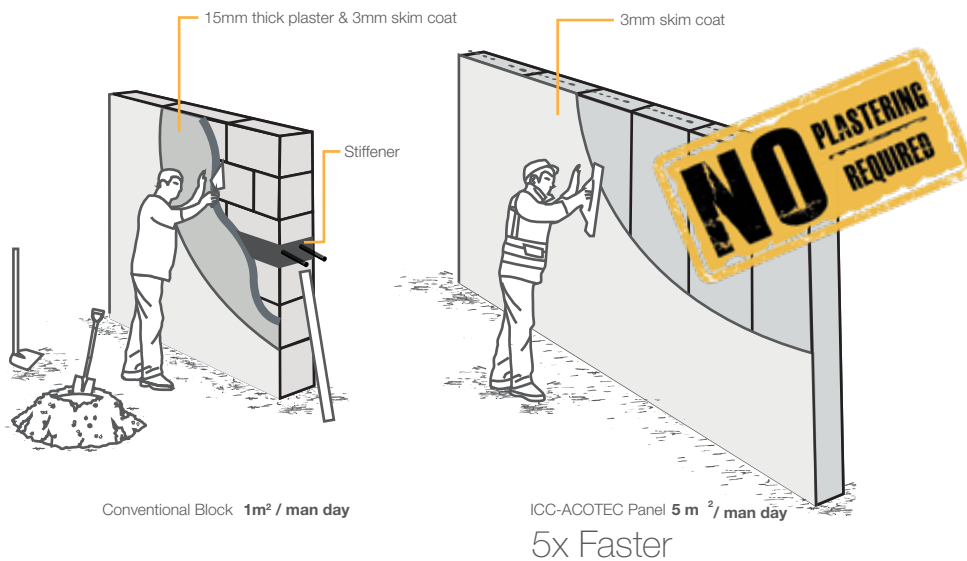


REVOLUTIONIZE TO A BETTER BUILDABILITY*



**BUILDABILITY is the extent to which the design and the adoption of construction techniques & processes affects the productivity level of building works*

ACOTEC PRECAST WALL PANELS

Europe, Middle-East & Asia



Europe & Middle-East

- Germany
- United Kingdom
- Spain
- Ireland
- Portugal
- Saudi Arabia

Asia

- Sri Lanka
- Japan
- Singapore
- South Korea
- China
- India
- Indonesia
- Philippines
- Taiwan
- Thailand

Website - www.elematic.com



ICC-ACOTEC Precast Wall Panels



ICC-ACOTEC precast wall panels are made out of concrete comprising cement, sand & aggregate which can be used for partitioning of apartment, commercial, institute & office buildings in both medium & high-rise constructions, replacing traditional materials used in partitions & facades such as brick & cellular block.

SAVES

Material, Labour & Time



International Construction Consortium Pvt Ltd

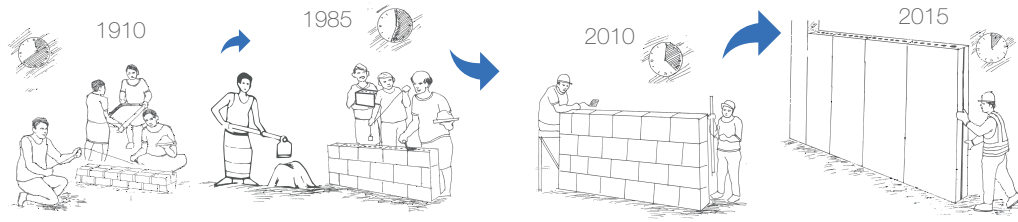
Address #57, S. De. S. Jayasinghe Mawatha, Kohuwala, Nugegoda, Sri Lanka

Telephone +94-114-645-454 / Fax +94-114-645-422

Website www.icc-construct.com



BRICK TO BLOCK - BLOCK TO PANEL



1/10



Buildability*
of conventional brick

1.5/10



Buildability*
of cellular blocks

4/10



Buildability*
of lightweight block

9/10



Buildability*
of ICC-ACOTEC Precast Wall Panels

PROFITABILITY AT IT'S PINNACLE

Higher productivity

80% Saving on Labour

5 m² per labour day
(compared to 1m² per labour day with conventional blocks)

1

+

Reduced use of machinery

40% Less Weight

Eliminates lifting of plaster materials
(sand & cement)

2

+

No stiffener and lintel required

20% Savings

Save on reinforcement, concrete,
formwork, labour & time

3

+

Faster installation & finishing

5x Faster

5x faster than block work and
4x faster than AAC / CLC blocks

4

+

Eliminates plaster on both sides

Zero Cost of Plastering

No 15mm thick plastering required
Only a 3 - 5mm skim coat

5

+

Full height constructability

Build at Once

Continuous construction upto 3.3m height
(compared to 1.2m height restriction with
conventional blocks)

6

+

Panels with larger dimensions

Larger Coverage Capacity

1 panel is equivalent to 25 Cellular blocks
1 panel is equivalent to 16 AAC blocks

7

+

Precise

Factory Finished Product

Saves on correcting imperfections due to
high standards & consistency

8

+

Ease of laying service lines

Eliminates Vertical Cutting

Vertical hollow-cores can be used for
plumbing & electrical

9

+

Peace of mind

Cleaner Job Site

Less wastage & minimal wet work

10

Physical Properties of ICC-ACOTEC Panels

	ICC-ACOTEC 75 mm	ICC-ACOTEC 100 mm	ICC-ACOTEC 140 mm
Weight	110 kg/m ²	124 kg/m ²	164 kg/m ²
Panel Bulk Density	1434 kg/m ³	1274 kg/m ³	1211 kg/m ³
Fire Resistance	120 mins	>130 mins	>130 mins
Sound Insulation	41 dB	43 dB	> 43 dB
Thermal Resistance	0.4 m ² K /W	>0.4 m ² K /W	> 0.4 m ² K /W
Panel Strength	>5 N/mm ²	>5 N/mm ²	>5 N/mm ²
Flexural Strength	1.08 N/mm ² (100 mm)		
Loading Test	299.7 KN (100 mm thick panel with 2700 mm height)		

* According to International test references

ICC-ACOTEC precast wall panels result in superior quality, faster construction & reduced labour, with an erecting speed of up to 5 m² per man day.

ICC-ACOTEC vs Conventional Wall Materials

	Conventional Brick Wall (with plaster)	Cellular Block Wall (with plaster)	AAC / CLC Block Wall (with plaster)	ICC-ACOTEC wall
Installation Speed (m ² /man day)	1	1	2	5
Workmanship for 100 m ² (man hrs)	105	95	55	20
Units per 100 m ² wall area	5500	1100	600	55
Mortar used (m ³)	7.5	7.2	4	1
Plastering on each side (mm)	15	15	10	0
Weight per m ² (kg)	285	216	80	124

ICC-ACOTEC Precast wall panels with thicknesses of **75mm, 100mm & 140mm** available in heights of **2700mm, 3000mm & 3300mm**

SAVES

Material → Improved Margins
Labour → Reduced Overheads
Time → Faster Completion