

The image features a background of a multi-story building with light-colored stone or brickwork and ornate balconies. A diagonal teal overlay covers the left side of the image. The CEMA GROUP logo is positioned on the teal background. The logo consists of the word "CEMA" in a large, white, sans-serif font, with a green square above the 'E' and an orange square below it. Below "CEMA" is the word "GROUP" in a smaller, white, sans-serif font.

CEMA
GROUP

Cheam Block

ABOUT US



Chema foam group companies was founded at 1987, by General Engineer Atef Al-Sawey research's in building materials.



Academy of Scientific Research & Technology Product patented certificate 020865 for Chema Block®



King Abdullah Bin Al Hussein International Award 2001 in technology and applied sciences for Chema Block® innovation

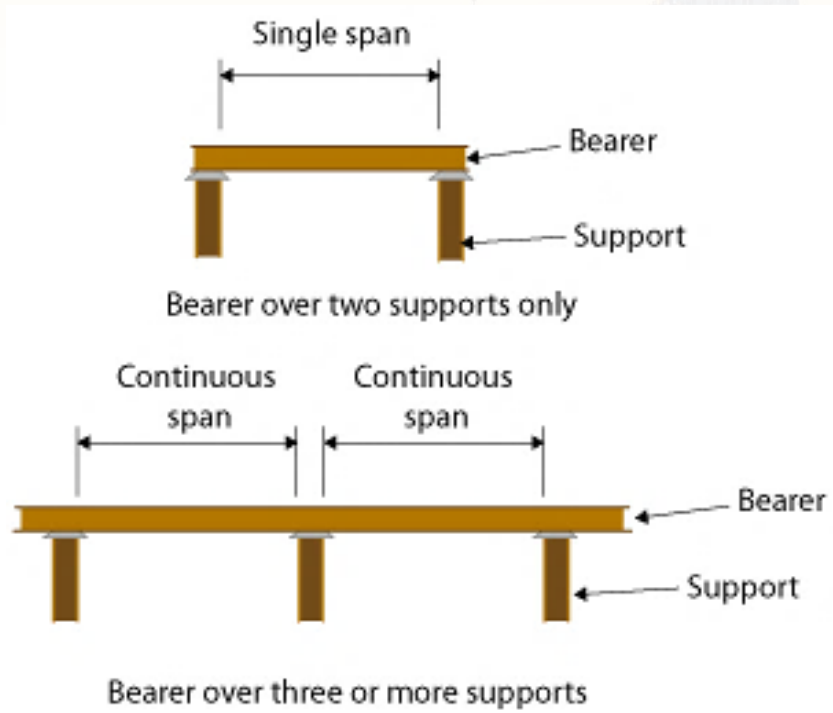


ISO 9001 certificate 2015 for Production of Expansion and Extrude polystyrene foam products



Hollow Block system

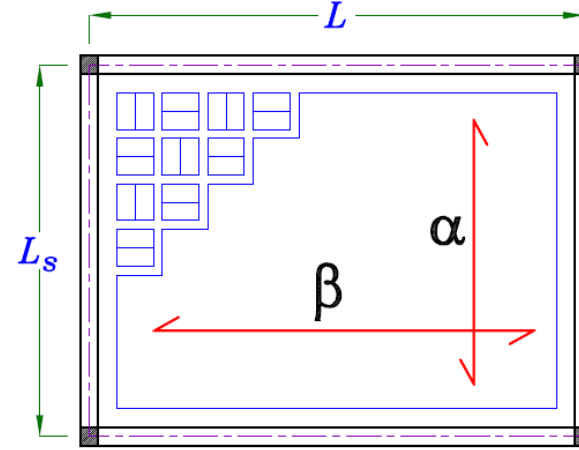
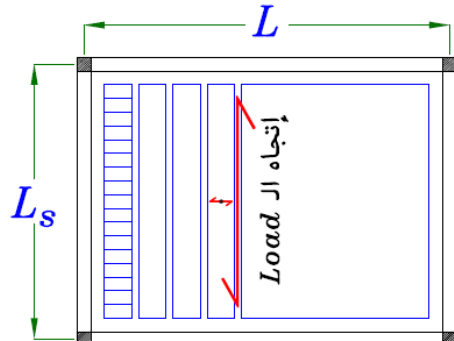
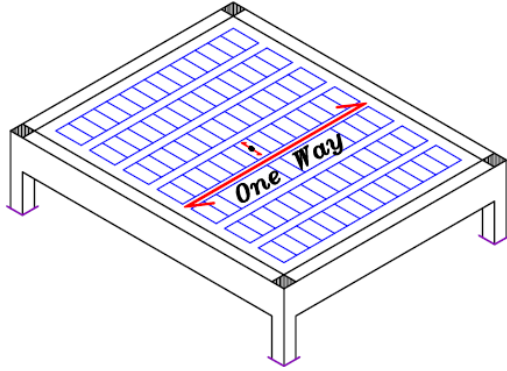
Introduction



Introduction

$$4.5m < L_s \leq 7.0m$$

ال *load* ينتقل الى البلاطة الصغيره و منه الى ال *ribs* و منه الى الكمرات .



لان في ال *two way* ال *load* يتوزع في الاتجاهين اذا سيقل ال *deflection*
لذا في ال *two way* ممكن طول ال *rib* يزيد عن ٧,٢

نستخدم بلاطه *two way H.B.* عندما تكون $L_s > 7.0m$

$$\frac{L}{L_s} > 1.5 \quad \text{بشرط} \quad \frac{L}{L_s} > \frac{4}{3}$$

في الكود يفضل عملياً

One way



Double way



Installation



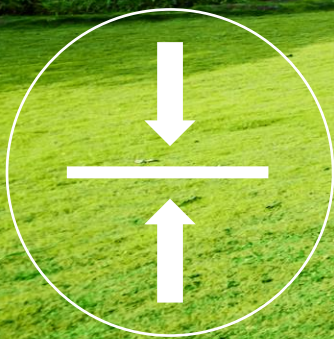
Hollow Block Slab - One Way

Hollow Block Slab - Two Way



Chema block

EPS FOAM ADVANTAGE



Highly
compressive strength



Light Weight

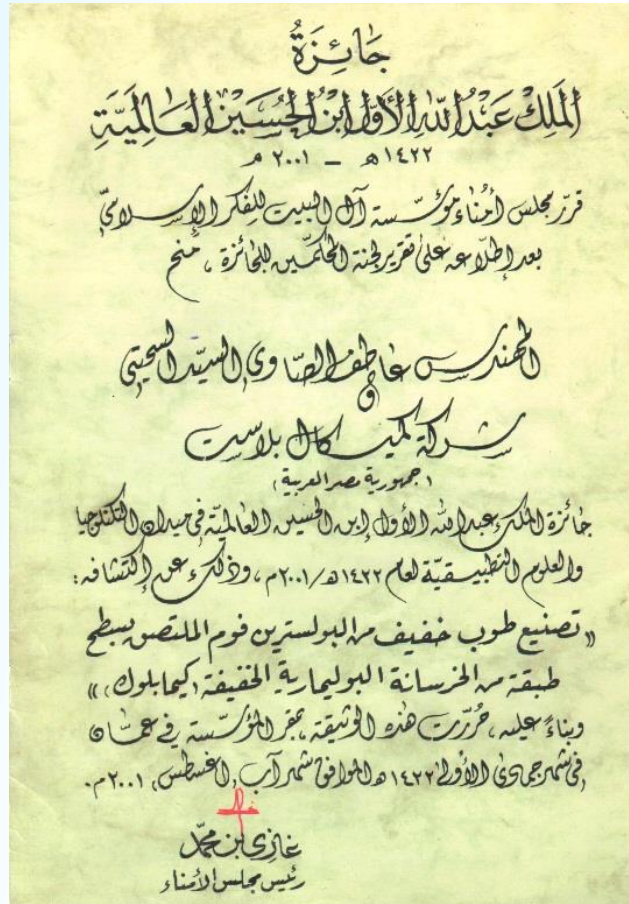


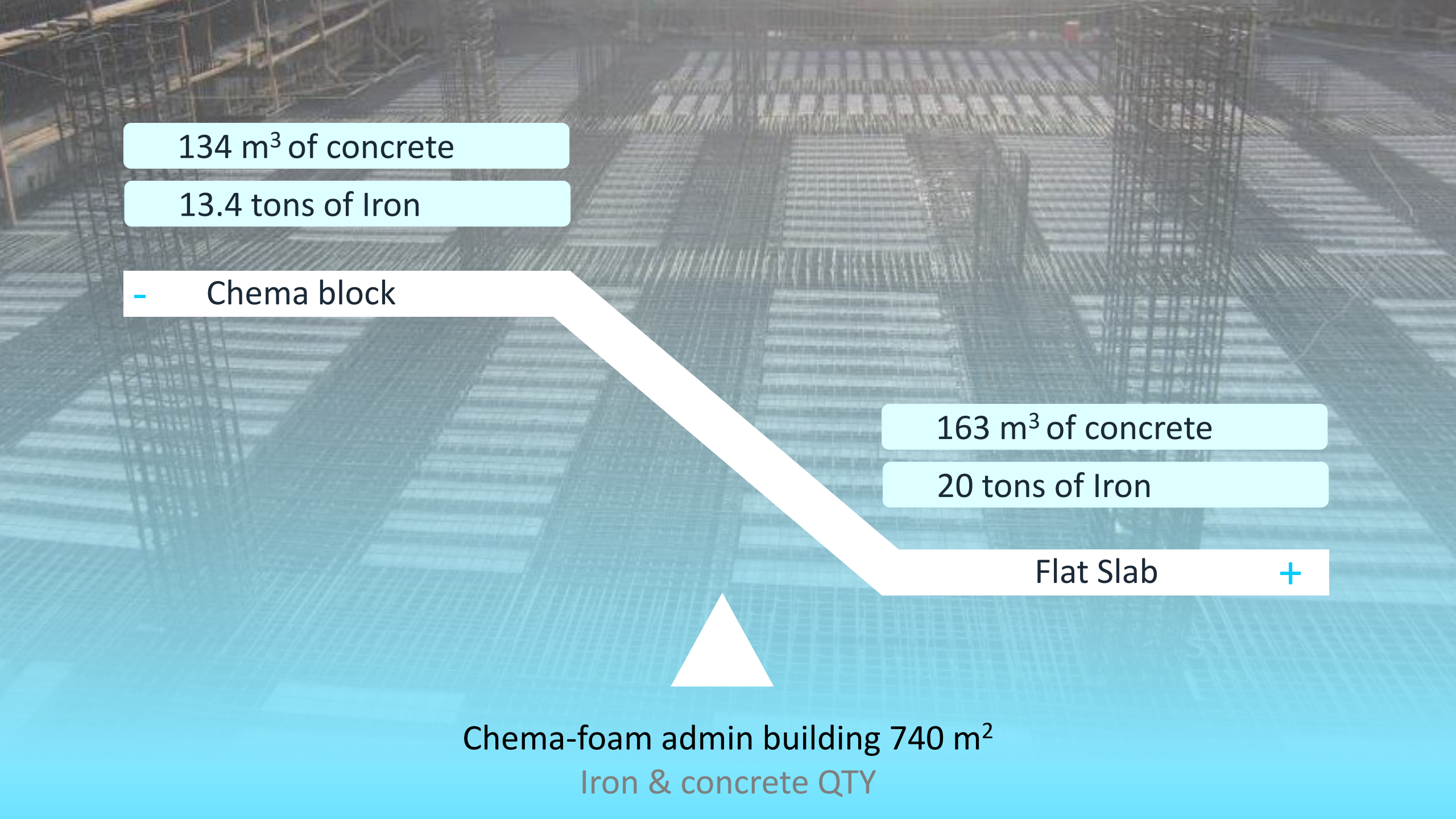
Highly resistance
to water absorption



Flexible dimensions

Chema BLOCK





134 m³ of concrete

13.4 tons of Iron

- Chema block

163 m³ of concrete

20 tons of Iron

Flat Slab

+

Chema-foam admin building 740 m²
Iron & concrete QTY

FLAT SLAB

500 Kg/m²



CHEMA BLOCK

20 Kg/m²

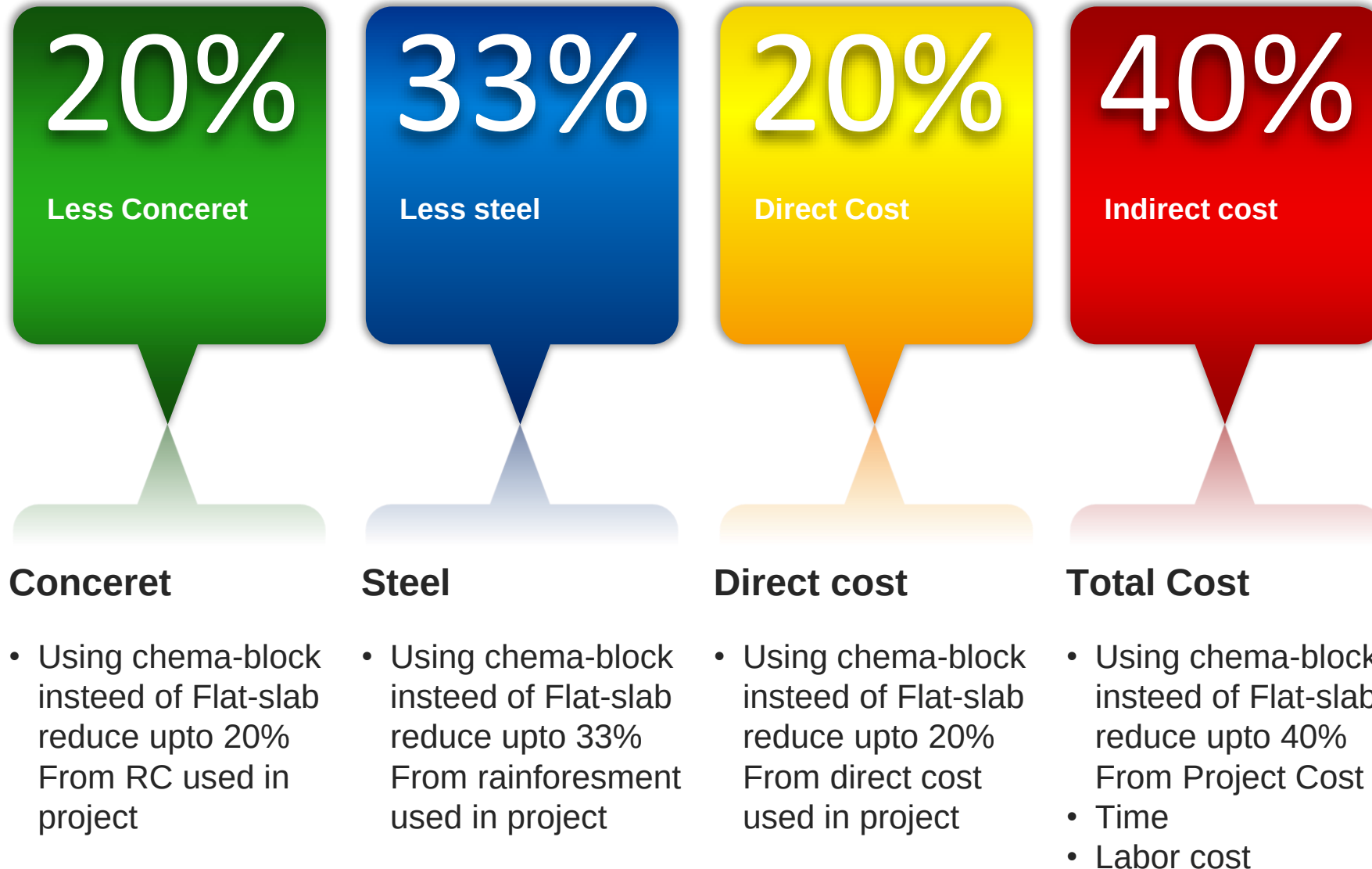


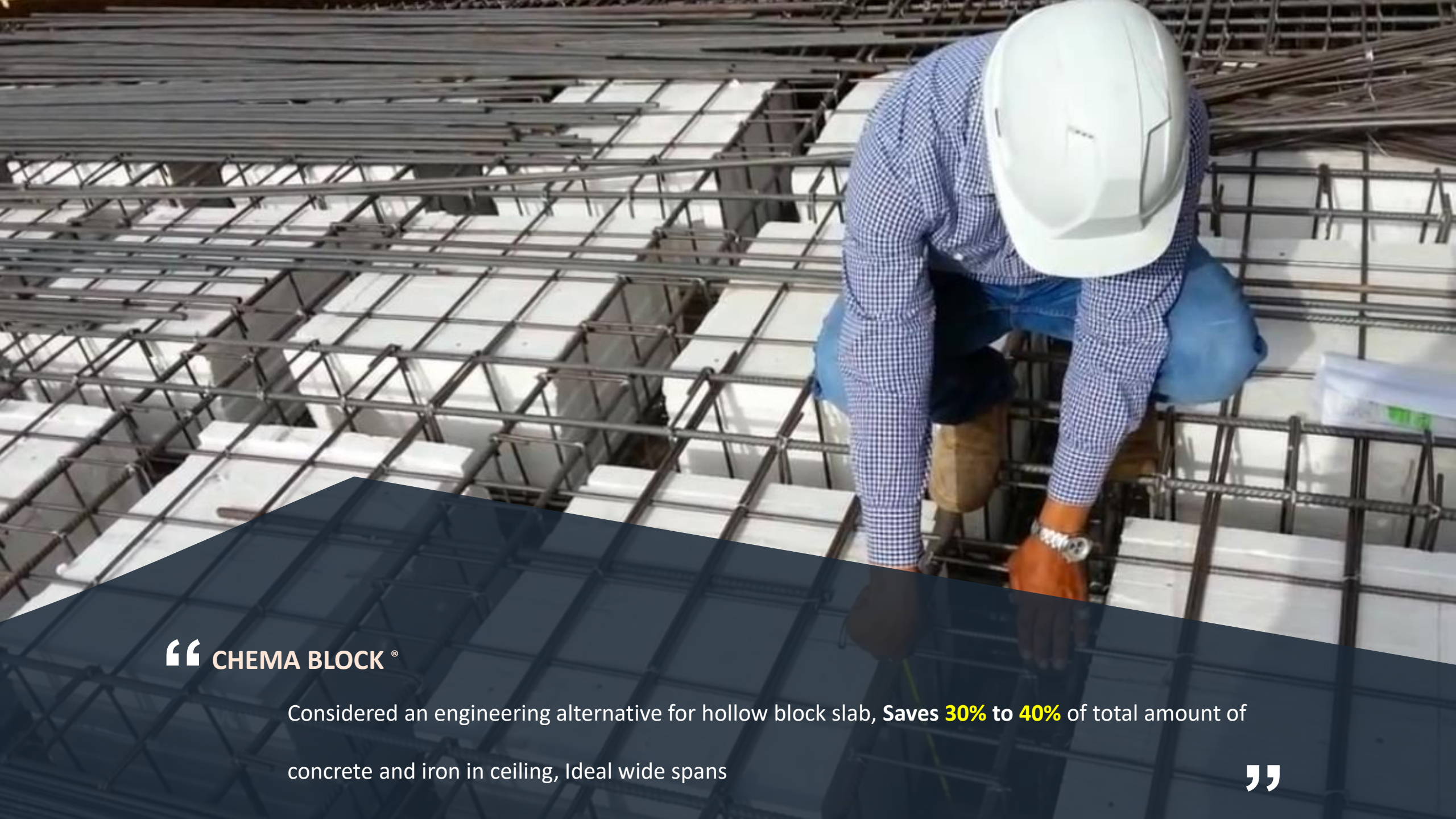
HOLLOW BLOCK

300 Kg/m²



Business Growth





“ CHEMA BLOCK®

Considered an engineering alternative for hollow block slab, Saves **30% to 40%** of total amount of concrete and iron in ceiling, Ideal wide spans

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