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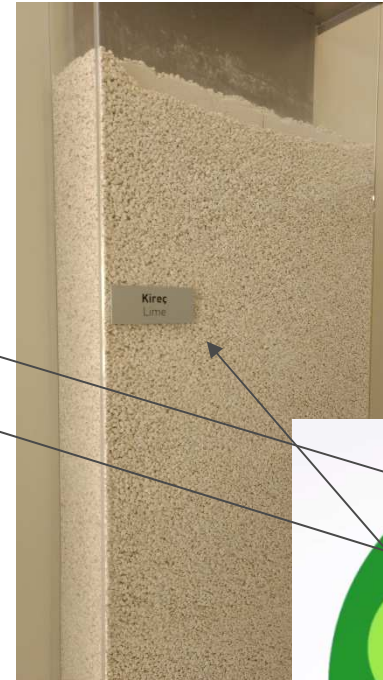
**WHAT IS  
AUTOCLAVED  
AERATED  
CONCRETE?**

# AAC Raw Materials



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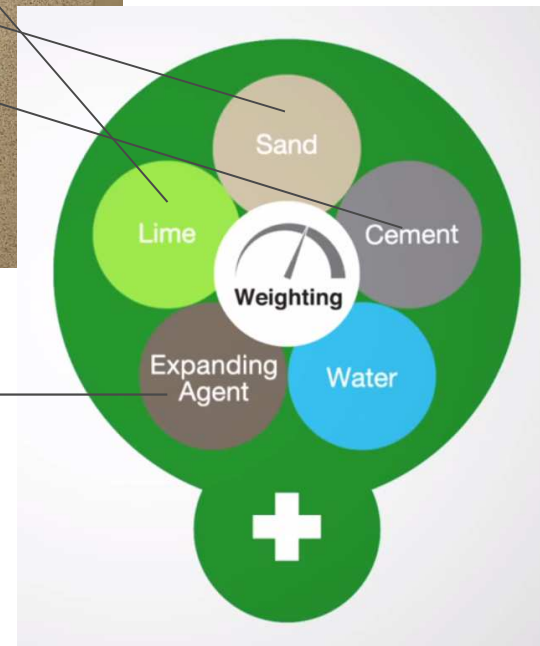
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GLS-65 Aluminum Paste



GLS-70 Aluminum Paste



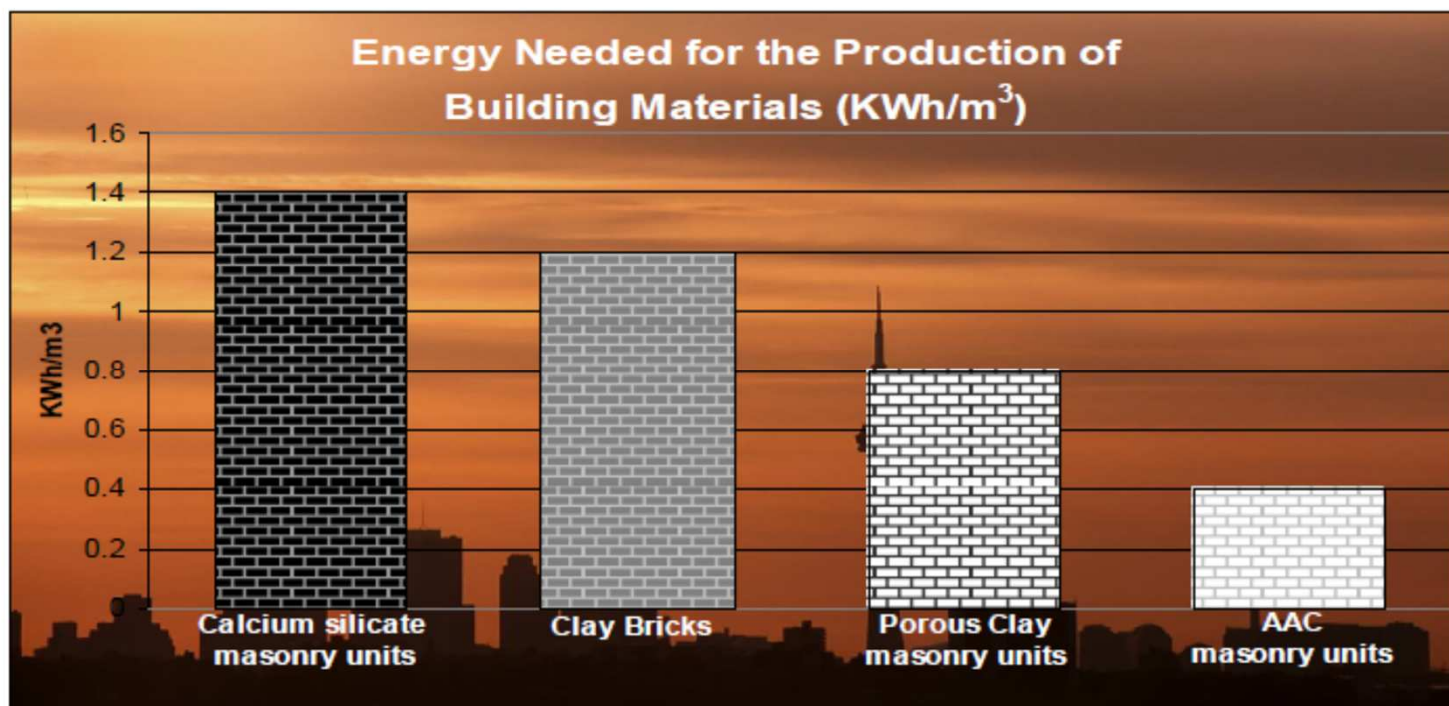




# Autoclaved Aerated Concrete

## Production Footprint

The primary energy needed to produce a cubic foot of AAC (raw materials, manufacturing, and transport) is relatively low compared to alternative masonry building materials.





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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

### Lightweight

*3X lighter than normal concrete block*



Source : Starken AAC Malaysia - Benefits of AAC



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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

### Dimensional Accuracy

*Tight dimensional tolerance*



Source : Starken AAC Malaysia - Benefits of AAC



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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

### **Good Workability**

*Easily resizable to fit*



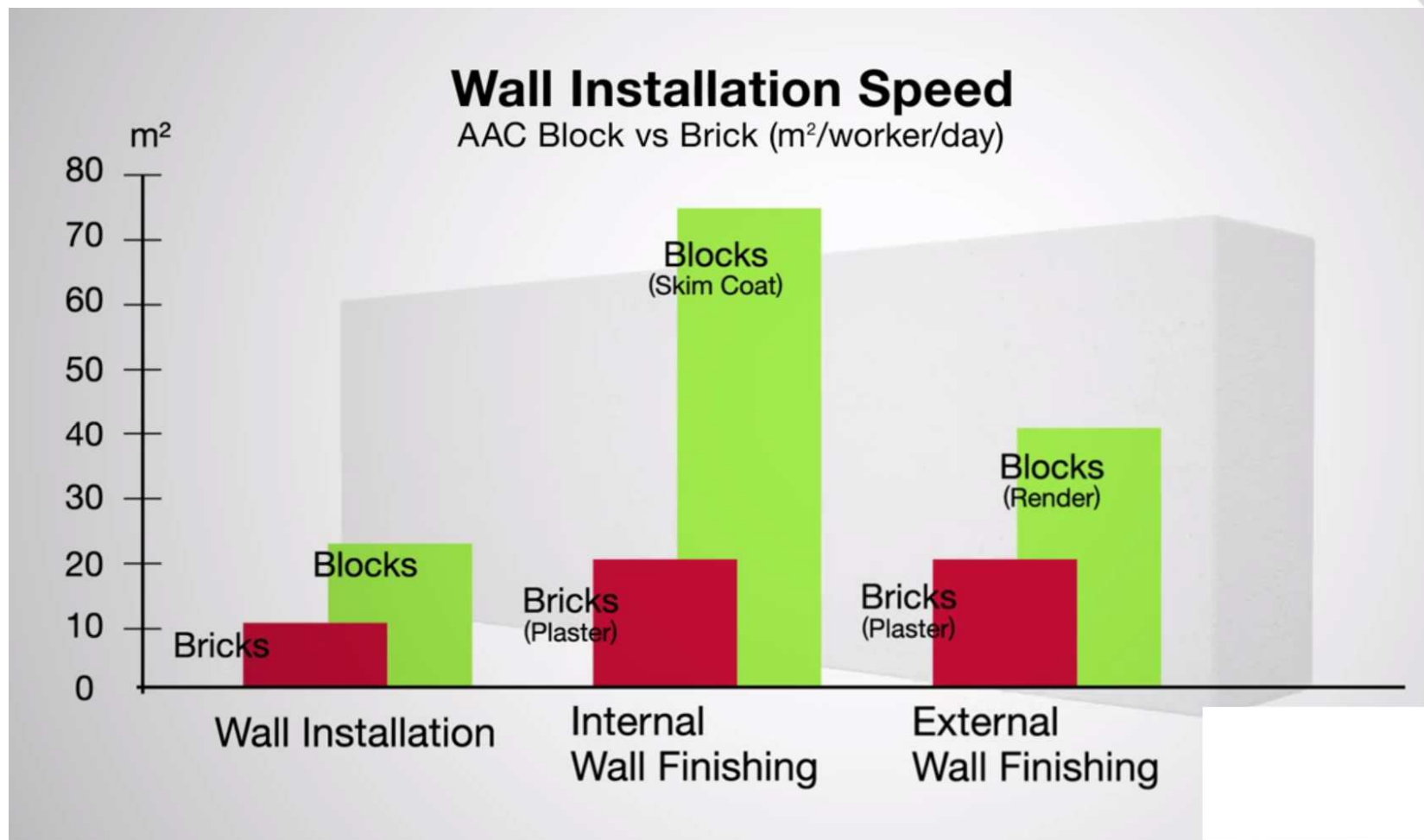
Source : Starken AAC Malaysia - Benefits of AAC





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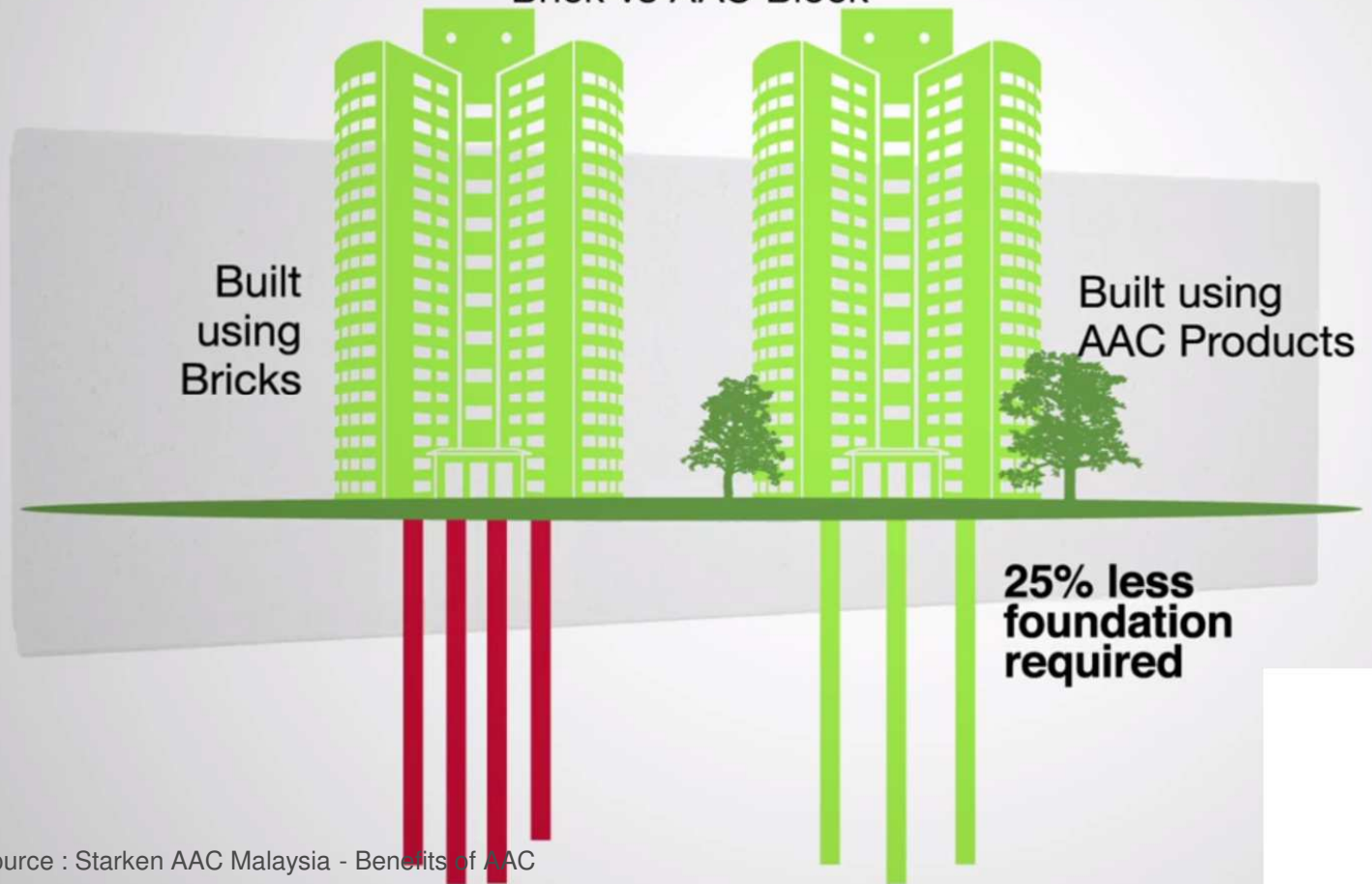


Source : Starcken AAC Malaysia - Benefits of AAC



## Save up to 25% of Foundation Cost

Brick vs AAC Block



Source : Starken AAC Malaysia - Benefits of AAC





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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

### **Cost Effective**

*Speed and ease of installation = cost savings*



Source : Starken AAC Malaysia - Benefits of AAC



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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

### **Impact Resistant**

*Wall erected using 100mm thick AAC products is classified as "Severe Duty" grade and able to withstand impact loads potentially resulting from rough usage*



Source : Starken AAC Malaysia - Benefits of AAC



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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

**Water Resistant**  
*Strongly resist moisture*



Source : Starken AAC Malaysia - Benefits of AAC



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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE



### **Durable**

*History of usage dated more than 50 years protecting buildings envelopes and remain durable even under the weather conditions*

Source : Starken AAC Malaysia - Benefits of AAC





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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

### **Sound Resistant**

*Better insulation to sound transmission*



Source : Starken AAC Malaysia - Benefits of AAC



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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

### **Fire Resistant**

*More superior than traditional masonry products fire resistant up to 4 hours with a nominal thickness of 100mm*



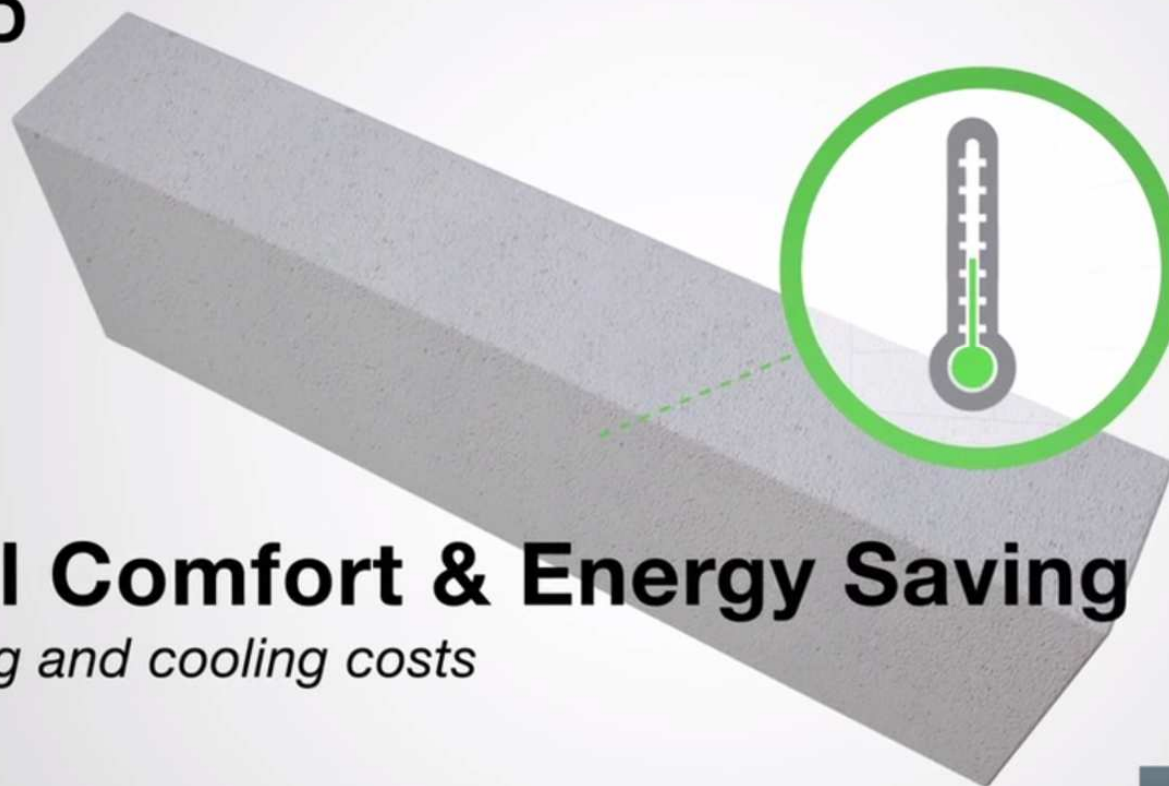
Source : Starken AAC Malaysia - Benefits of AAC



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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE



# Thermal Comfort & Energy Saving

*Saves heating and cooling costs*

Source : Starken AAC Malaysia - Benefits of AAC



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## Thermal Control

Heat insulation 6 times superior than clay brick

Day-time  
Exterior air temperature  
33°C

Desired interior  
air temperature  
24°C

8" AAC Wall

Note : Building uses approximately 30% less energy for cooling and heating the interior air space.

Source : Starken AAC Malaysia - Benefits of AAC





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## ADVANTAGES OF AUTOCLAVED AERATED CONCRETE

### **Eco-Friendly**

*Starken AAC helps reduce at least 30% of environmental waste, decrease 50% of greenhouse radiation and over 60% integrated energy on the surface of brick*



Source : Starken AAC Malaysia - Benefits of AAC



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Source : Starken AAC Malaysia - Benefits of AAC

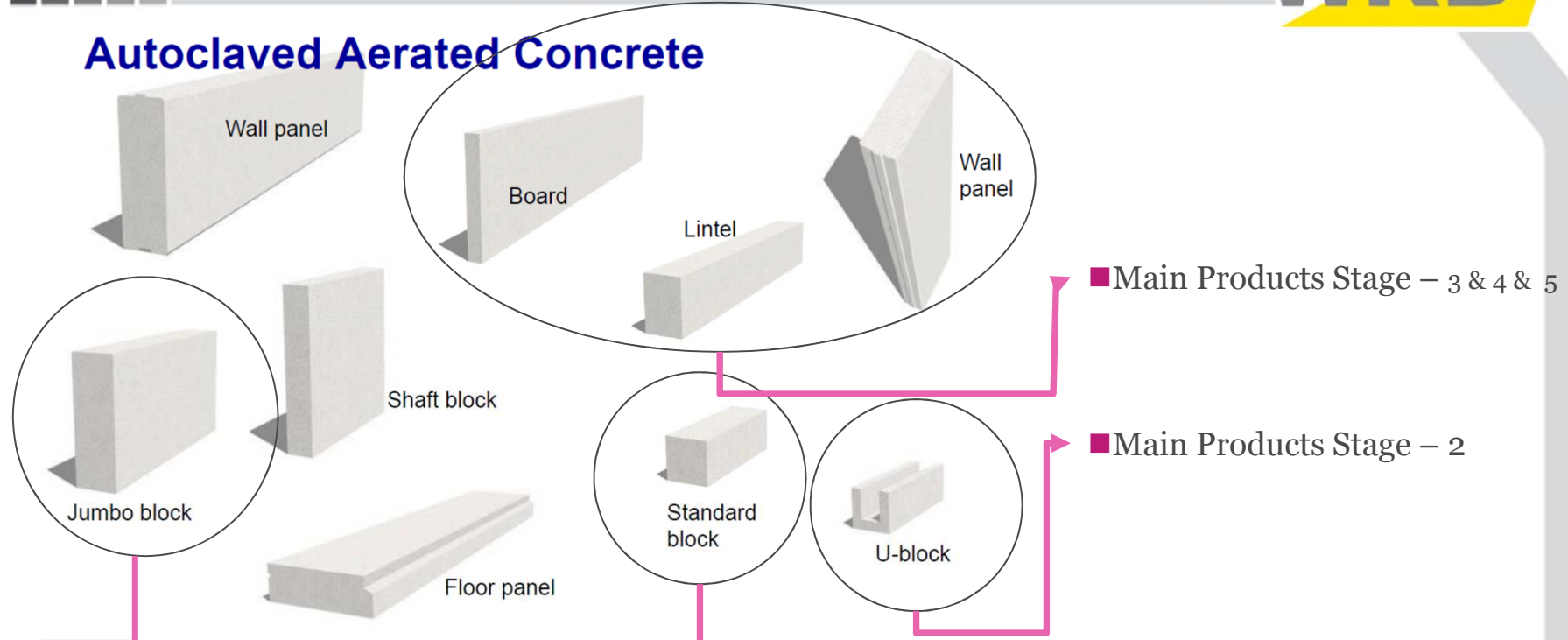


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# Project Target Products Types

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## Autoclaved Aerated Concrete



■ Main Products Stage - 1



# Kontakt Daten



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## **WKB Systems GmbH**

Daimlerstr. 5-8 - 48477 Hörstel - Deutschland

Tel.: + 49 5459 - 8059 – 0

[info@wkb-systems.com](mailto:info@wkb-systems.com)

Fax: + 49 5459 - 8059 – 25

[www.wkb-systems.com](http://www.wkb-systems.com)