

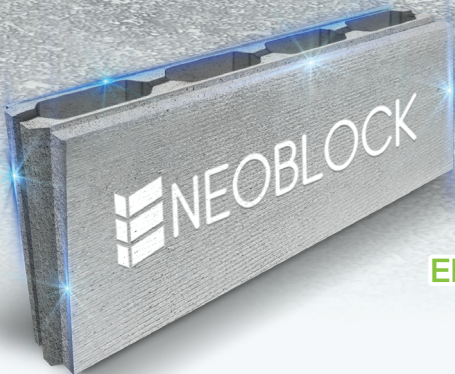
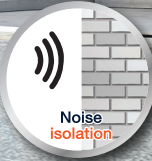
Effective heat prevention

15-30% more energy saving with **Energy Wall** System (Passive cooling technology)

Less Moisture

10 times less water absorption than AAC/CLC brick resulting in **no fungi** growth

Insulated concrete block
SMART HYBRID



LINK N LOCK®

EFFICIENT AND MOST RELIABLE
ENERGY-SAVING CONCRETE BLOCK

KEY SUCCESS OF NEOBLOCK™

- ▶ Superior Properties ▶ Higher Compressive Strength ▶ Superior Heat and Sound Insulation

ECO-FRIENDLY PRODUCT

- ▶ Low energy consumption ▶ Less pollution during production

ADVANTAGES OF NEOBLOCK™ OVER AAC/CLC AND CLAY BRICKS

- ▶ Energy Savings: **15-30% more than other bricks in terms of insulation**
- ▶ Compressive Strength: **10 times superior than AAC/CLC and clay bricks**
- ▶ Installation Speed: **80% quicker installation than AAC/CLC and 3 times faster than clay bricks**
- ▶ Fire Rating: **More than 4 Hours**
- ▶ Sound Insulation (STC Rate): **47% Superior sound insulation than AAC/CLC brick**
- ▶ Water Absorption: **10 times lower water absorption properties than AAC/CLC**
- ▶ Function and Use: **LINK N LOCK® Technology allows for easy, quick and uniformed installation (each piece fits like a jigsaw) without the need for skilled labour. Superior strength and durability.**

PRICE COMPARISON AND INSTALLATION SPEED

LIST	NEOBLOCK™		AAC/CLC		CLAY BRICKS	Advantages of NEOBLOCK™
	Premium 20X50X8	High Strength 20X50X8	G4 20X50X7.5	G8 20X50X15		
Model Size						Perfect sizing to reduce loss/debris
Pcs./Sqm	10	10	8.33	8.33	145	High density yet lightweight. Increased durability of building structures
Weight/Pc.	7.5 Kg	9.8 Kg	6.5 Kg	11.6 Kg		
Total Wt./Sqm	105Kg/Sqm	128Kg/Sqm	100Kg/Sqm	140Kg/Sqm	160 Kg/Sqm	
Price/Pc. (Baht)	24	26	15.85	37.24	1.5	15-35% savings on total cost/sqm over other blocks
Price/Sqm (Baht)	240	260	142	335	217.50	
Joint Mortar/ Sqm (Baht)	30 (General Adhesive)	30 (General Adhesive)	60 (Special Adhesive Mortar)	60 (Special Adhesive Mortar)	80 (Mortar)	Reduce the cost of joint mortar and structural weight
Rendering Plaster/ Sqm (Baht)	55 (General Plaster)	55 (General Plaster)	100 (Special Plaster)	100 (Special Plaster)	120 (General Plaster)	Reduce the cost of plastering and structural weight
Labour/Sqm (Baht)	240	240	270	270	240	No skilled labour required with LINK N LOCK® Technology
Installation Speed Sqm/day/team	40-45	40-45	25-30	25-30	10-15	1.5 to 2.5 times faster installation than AAC, CLC and Clay bricks
Total cost/Sqm (Baht)	565	585	572	765	657.50	Save 15-35% in all dimension with NEOBLOCK™



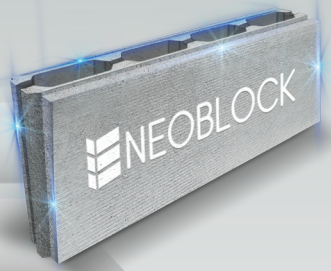
QUICK & EASY INSTALLATION

- ▶ **LINK N LOCK® Technology** (interlocking) allows for 13–30% savings on cost of installation. Smooth and uniformed surface without need for skilled labor.

PROPERTIES COMPARISON TABLE

LIST	NEOBLOCK™		AAC/CLC		CLAY BRICKS	Advantages of NEOBLOCK™
	Premium 20X50X8	High Strength 20X50X8	G4 20X50X7.5	G8 20X50X15		
Compressive Strength (Kg/cm ²)	105	360	25–35	35–70	20–35	Stronger and more durable building structure
Density (Kg/m ³)	1600	2200	600	800	1200–1500	Tensile strength/hanging load of over 300 kg
Water Absorption (% by weight)	10.5	3.54	30–35	30–35	18–25	Mold and fungus resistant
STC Rate (dB)	58.4	61.8	42	45	38	47% superior sound insulation
Fire Resistant Rating (Hr)	>4	>4	4	4	2–3	Fire resistant for longer than 4 hours
Thermal Conductivity (W/m.K)	0.40	0.80	0.45	0.91	1–3	Save up to 30% with superior insulation using principles of passive cooling that supports energy-efficient home construction technology

SPECIAL FEATURES



Fire resistance **Over 4 hours**



47% Superior sound insulation than AAC/CLC brick



80% Faster installation than AAC/CLC brick **3 times** quicker than clay brick



10 times Higher strength than AAC/CLC brick and clay brick



10 times Lower water absorption than AAC/CLC brick



Requires no skilled labor thanks to **LINK N LOCK®** Technology with strength and durability



15-30% more energy saving with **Energy Wall** system (passive cooling technology)



25 % Lighter than clay brick



Precision and accuracy production standard based on Thai Industrial Standards Institute (TISI)



Easy installation, no special plaster required saving cost and time, reduced fracture/crack



Environmental regulation **compliant**

NEOBLOCK™

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