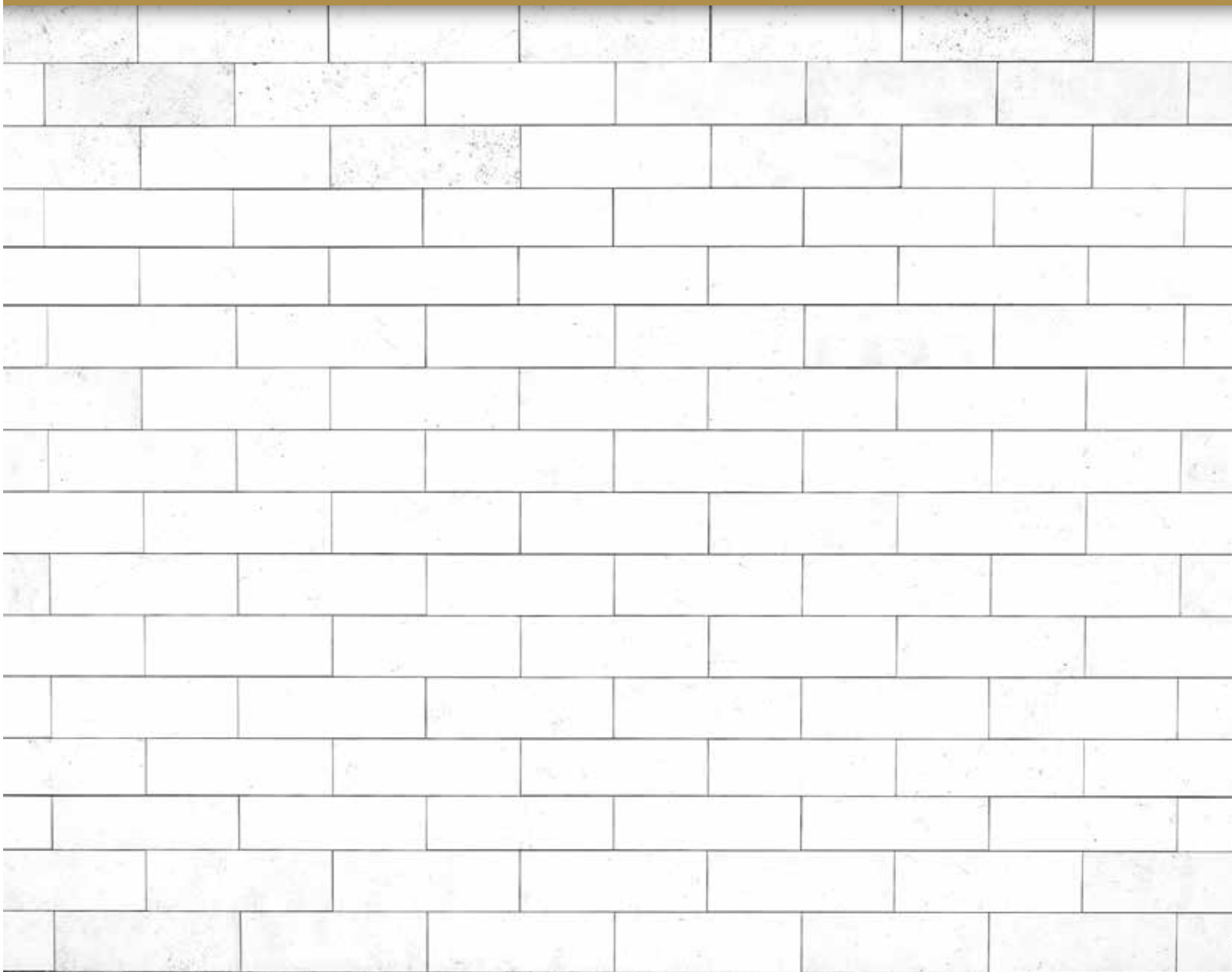




TPI BLOCK

Autoclaved Aerated Concrete



High Quality products under the development of TPI Polene Public Company Limited

TPI BLOCK

Autoclaved Aerated Concrete

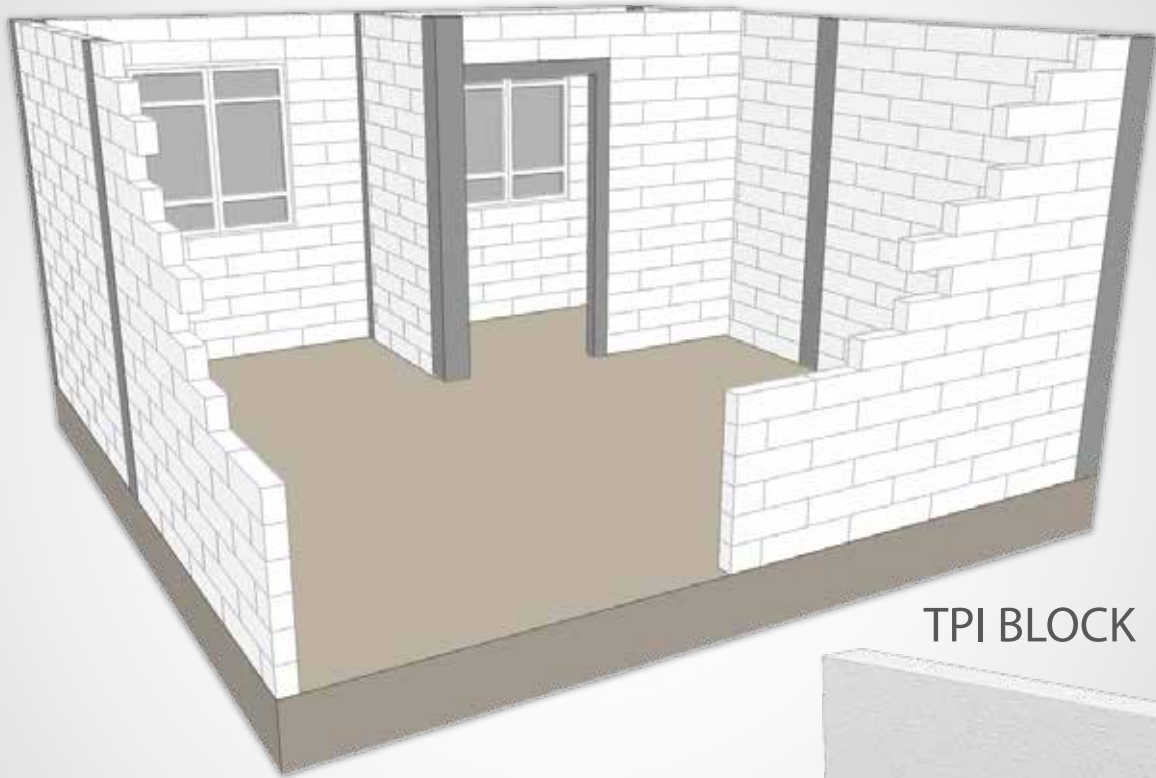
TPI Polene Public Company Limited has worked hard to manufacture and distribute great quality cement products to supply high demands of all customers. The products of TPI Polene Public Company Limited guarantee the standards of

- ISO 9001 : 2000 for a Quality Management System
- ISO 14001 for an Environmental Management System (EMS)
- TIS/OHSAS 18001 for Occupational Health&Safety Management System

TPI BLOCK , Premium quality with G4 standard. TPI BLOCK is a product under the development of TPI Polene Public Company Limited, Manufactured from premium quality TPI Portland cement and natural materials. The materials are combined with the use of Autoclave System, so the results are high strength and durable blocks. Thus, TPI Block is of the high quality and most durable.



Product Standardization :
TIS 1505- 2541 Autoclaved Aerated Concrete



TPI BLOCK



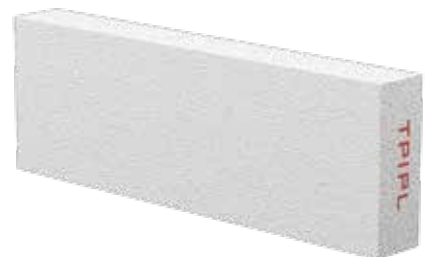
Thickness 7 cm.

TPI BLOCK

PRODUCT INFORMATION

TPI BLOCK

Height (cm.)	Thickness (cm.)	Length (cm.)
20	7	60
	7.5	
	10	
	12.5	
	15	
	17.5	
	20	



Thickness 7.5 cm.



Thickness 10 cm.

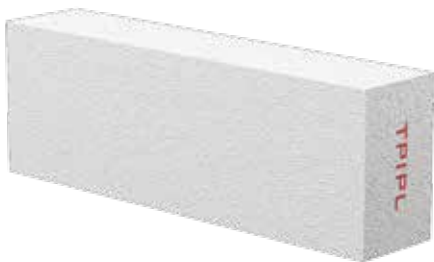
TECHNICAL

INFORMATION

TPI BLOCK is Autoclaved aerated light weight concrete , used as internal and external wall building material Outstanding characteristic of TPI block such as Light weight, Perfect size and shape , High strength,etc. TPI block will ensure in a good material for all structure

Technical data of TPI block

Type of Material block	Dry density (kg./m. ³)	Compressive Strength(kg./cm ²)	Flexural Strength (kg./cm ²)
Autoclave aerated lightweight Concrete (ACC) block Class 4 Type 0.7	700	50	15
Autoclave aerated lightweight Concrete (ACC) block Class 2 Type 0.5	500	25	7.5
Cellular Lightweight Concrete(CLC) block	900	25	7.0
Conventional Red brick	1,800	35	10.5
Concrete block	1,950	30	9



Thickness 12.5 cm.



Thickness 17.5 cm.



Thickness 15 cm.



Thickness 20 cm.

TPI BLOCK APPLICATION PROCESS

How to TPI BLOCK



Procedure for bricklaying

TPI M310 is an instant masonry mortar which is formulated for Light weight block masonry work. It is providing high adhesion strength , excellent workability and easy to use. The finished walls are high durability strength.

How to use

1. Mix TPI M310 with clean water at ratio 2.6:1 by volume
2. Mix well until the mixture is homogeneous
3. Ready to apply with common brick laying technique for lightweight block by using specific trowel for lightweight block (Avoid to use brick trowel or Mason's trowel with lightweight block masonry)

Remark :

TPI M310 Should be used in small amounts and each layer thickness should not exceed 3-5 mm. When bricklaying with lightweight block size 20 x 60 x 7 cm. , 20 x 60 x 7.5 cm. and TPI M310 Mortar 1 bag (50 kg.) by using with specific trowel for lightweight block , It can cover the application area 30 m



Product characteristic

TPI M210 is a Special ready mixed mortar is formulated for plastering work on lightweight blocks for both indoor and outdoor walls application. Also able to apply on Clay Brick wall and Cement block wall as well.

How to use

1. Clean and rinse the surface area on the wall which will be plastered
2. Mix plaster mortar TPI M210 with clean water 3.5:1 partial, Mix well until the mixture is homogeneous
3. Ready to process with ordinary plastering works, but can also be applied with plastering machines.

Remark :

After mixing with water , it should be applied within 2 hours 30 minutes (TPI M210 1bag (50 kg.) Per 11 liters of water). Keep in a dry place away from moisture and seal tightly.





Excellent Thermal Insulation

The thermal conductivity of TPI block is lower than convention red brick.
Its thermal insulating are 4-8 times more than conventional red brick , this helps maintaining interior environment of building to be cool and saving electricity charge from air conditioning up to 30%



Fire resistance

TPI block is totally not thermal keeping , incombustible and fire resist from 2 hours up to 4 hours . in case of conflagration, TPI block can be reduce losses.



Sound absorption

More tiny porous structure makes TPI block performance of sound absorption more than 20% better than conventional red brick.



ECO friendly

TPI block is environment friendly and not hazardous material construction to human because it's produced from natural material with no any toxic substance contains.



High Strength & Long lasting

TPI block manufactured by modern and sophisticated technology from Germany. The high quality control standard of raw material, makes life of TPI block extended to more than 50 years.



Cost saving

With perfect size and shape of TPI block, masonry-rendering mortar and another construction material are decreased, as a result. Cost and total time for working are saved. The varieties of TPI block's size are appropriated for exterior and interior construction.



Easy to use

Light weight of TPI block , it helps to be easy to move and assembly for faster construction

Can be purchased online on ONLINEMARKET.TPIPOLENE.CO.TH



TPI Polene Public Company Limited

26/56 Chan Tat Mai Rd., Tungmahamek, Sathorn, Bangkok, Thailand 10120
Tel. 66 2213 1039, 66 2285 5090 Fax: 66 2285 5878
www.tpipolene.co.th e-mail : marketing@tpipolene.co.th

CALL CENTER

02-6786547-52

