




## ITALIAN-THAI INDUSTRIAL COMPLEX


### CONCRETE BLOCK GROUND SURFACE





TIS 57-2533

TIS 58-2533

Item	Name	Dimension (millimeter)	Unit/Weight (kilogram)	Quantity (No./Palled)	Image
1	STANDARD	190X190X190	9.25	125	
<b>Properties : For normal work</b>					

Item	Name	Dimension (millimeter)	Unit/Weight (kilogram)	Quantity (No./Palled)	Image
2	BULL NOSE	190X190X190	12.35	125	
<b>Properties : For well corner</b>					

Item	Name	Dimension (millimeter)	Unit/Weight (kilogram)	Quantity (No./Palled)	Image
3	LINTEL	190X190X190	10.42	125	
<b>Properties : For lintel</b>					

Item	Name	Dimension (millimeter)	Unit/Weight (kilogram)	Quantity (No./Palled)	Image
4	CONNER	190X190X190	12.68	125	
<b>Properties : For door or window frame</b>					

E-mail : [j1404@itd.co.th](mailto:j1404@itd.co.th)

ศูนย์อุตสาหกรรมอิตาลีไทย

37 หมู่ 7 อําเภอวิหารแดง จังหวัดสระบุรี 18150

โทร. : 0-3636-5311-14 , โทรสาร : 0-3636-5331-2

Italian-Thai Industrial Complex

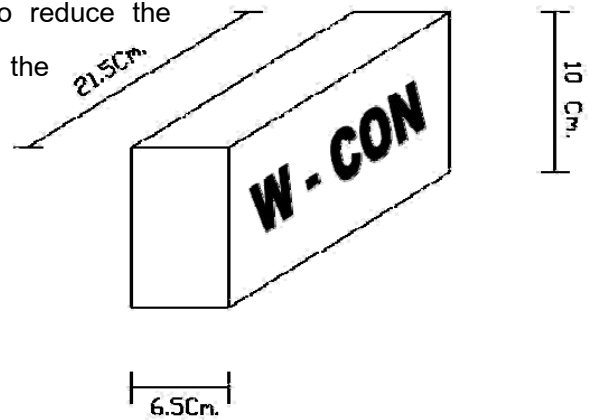
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W-CON was produce to substitute masonry brick, to reduce the pollution, smoke and carbon dioxide from brick kiln, to save the globe from earth-warming. W-CON can save time, labour cost and skill labour, and also reduce material wasted due to the more strengthen then masonry brick over 3 times.



### Properties Lomparison Table between W-CON and Masonry Brick

Item	Description	Masonry Brick	W-CON	7 cm. concrete block
1	<u>General Properties</u>			
	w x l x h (cm.)	6.5 x 14 x 4	6.5 x 21.5 x 10	7 x 19 x 39
	Weight (kg.)	0.60	3.00	7.00
	Weight per square meter include 2 side plastering (kg.)	180	194	169
	Quantity (No.) per square meter (Include mortar)	120 - 138	36	13
	Unit price	0.88	2.25	4.75
	Cost per square meter	114.40	81.00	61.75
2	<u>Mortar</u> (proportion 1:4, 1.5 cm. thk)			
	Weight per square meter (kg.)	26	14	6
	Filled mortar per square meter (kg.)	-	-	12
	Cost per square meter (0.6 ฿/m <sup>2</sup> )	16.80	8.40	3.60
3	<u>Plastering</u> (2 cm. thickness both wall side)			
	Weight per square meter (kg.)	72	72	72
	Cost per square meter ( 0.40 ฿/m <sup>2</sup> )	28.80	28.50	28.80
4	Total Cost	160.00	117.90	94.15
5	Compressive strength (N/mm <sup>2</sup> )	9.0	10.0	4.2

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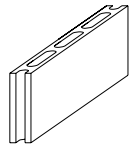
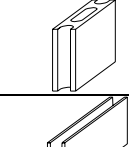








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## ITALIAN-THAI INDUSTRIAL COMPLEX

### Concrete Block

Our concrete block was certified to Thai Industrial Standard TIS 57-2533 : Hollow load-bearing masonry units and TIS 58-2533 : Hollow non-load-bearing masonry units.

Item	Type / Dimension	TIS No.	Number / Pallet	Loading (No./Trip)		Remarks
				10 wheel truck	Trailer truck	
1	Ø 70 X 190 X 390 MM.	58 - 2533	180	1,260	3,240	
		Ordinary				
2	TYPE STANDARD Ø 90 X 190 X 390 MM.	57 - 2533	156	1,248	2,808	
		Ordinary				
3	TYPE HALF-BLOCK Ø 90 X 190 X 190 MM.	57 - 2533	275	2,200	4,950	
		Ordinary				
4	TYPE U-BLOCK Ø 90 X 190 X 390 MM.	57 - 2533	45	360	810	
		Ordinary				
5	TYPE STANDARD Ø 140X190X390 MM.	57 - 2533	99	792	1,782	
		Ordinary				
6	TYPE HALF-BLOCK Ø 140X190X190 MM.	57 - 2533	175	1,400	3,150	
		Ordinary				
7	TYPE U-BLOCK Ø 140X190X390 MM.	57 - 2533	66	528	1,188	
		Ordinary				
8	TYPE STANDARD Ø 190X190X390 MM.	57 - 2533	75	600	1,350	
		Ordinary				
9	TYPE HALF-BLOCK Ø 190X190X190 MM.	57 - 2533	100	800	1,800	
		Ordinary				
10	TYPE U-BLOCK Ø 190X190X390 MM.	57 - 2533	50	400	900	
		Ordinary				
11	WALL - PLUS Ø 67 X 135 X 400 MM.	-	156	1,310	4,716	

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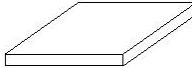

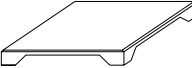
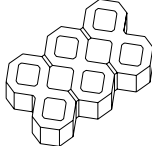
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## ศูนย์อุตสาหกรรมอิตาลีไทย (ITALIAN-THAI INDUSTRIAL COMPLEX)

### Concrete Block / Floor Tile

Item	Type / Dimension	TIS No.	Number / Pallet	จำนวนบรรทุก (ก๊อปปี้/เที่ยว)		Remarks
				10 wheel truck	Trailer truck	
1	Concrete flooring tiles Ø 400 X 400 X 40 MM.	378 - 2531	102	816	1,836	
2	Cement mortar flooring tiles Ø 400 X 400 X 35 MM.	826 - 2531	102	816	1,836	
3	Deck flooring tiles : SOLASLAB Ø 300 X 300 X 45 MM.	-	153	1,224	2,754	
4	Turf block	-	80	640	1,440	

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### Comparison properties to masonry brick

Item	Description	Masonry brick	W-CON	WALL PLUS	Concrete block 7 cm.	Comparison
1	<b>General Properties</b>					W-CON , WALL PLUS and 7 cm. concrete block are manufactured by modern equipment to achieve to same standard size.
	w x l x h (cm.)	6.5 x 14 x 4	6.5 x 21.5 x 10	6.7 x 40 x 13.5	7 x 19 x 39	
	Weight (kg.)	1.00	3.00	6.60	7.00	
	Weight per square meter (kg.)	110.00	108.00	105.60	84.00	
	Quantity (No.) per square meter (Include mortar)	110	36	16	12	
	Unit price	0.88	2.25	5.15	4.75	
	<b>Cost per square meter</b>	<b>96.80</b>	<b>81.00</b>	<b>82.40</b>	<b>57.00</b>	
2	<u>Mortar</u> (proportion 1:4, 1.5 cm. thk) Weight per unit (kg.)	0.40	0.70	1.60	4.29	Advantage to masonry work, easier and faster
	Filled mortar per square meter (kg.)	44.00	25.20	25.60	51.48	
	<b>Cost per square meter (0.6 B/m<sup>2</sup>)</b>	<b>26.40</b>	<b>15.12</b>	<b>15.36</b>	<b>30.89</b>	
3	<u>Plastering</u> (2 cm. thickness single wall side)					W-CON and WALL PLUS use less mortar for masonry work then normal brick
	Weight per square meter (kg.)	41.45	41.45	41.45	41.45	
	<b>Cost per square meter ( 0.40 B/m<sup>2</sup>)</b>	<b>16.58</b>	<b>16.58</b>	<b>16.58</b>	<b>16.58</b>	
4	<b>Total</b>	<b>139.78</b>	<b>112.70</b>	<b>114.34</b>	<b>104.47</b>	W-CON, WALL PLUS and 7 cm. concrete block will cost cheaper than masonry brick.
5	ความแข็งแรงกำลังต้านแรงอัดประลัย (N/mm <sup>2</sup> )	<b>3.9</b>	<b>10.0</b>	<b>6.0</b>	<b>4.2</b>	

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