STEEL BUILDINGS AND EQUIPMENT INDUSTRIES JOINT STOCK COMPANY

- Office: 4 Floor, Vimeco CT4, Nguyen Chanh, Trung Hoa, Cau Giay, Ha Noi
- Factory: Lot CN 1-2, Tan Truong Industrial Park, Cam Giang, Hai Duong
- (+84) 24 2210 6611

SBC VIET NAM TRADING AND TECHNICAL JOINT STOCK COMPANY

- Office: 4 Floor, Vimeco CT4, Nguyen Chanh, Trung Hoa, Cau Giay, Ha Noi
- Factory: Tan Truong Industrial Park, Cam Giang, Hai Duong
- (+84) 24 2210 5511

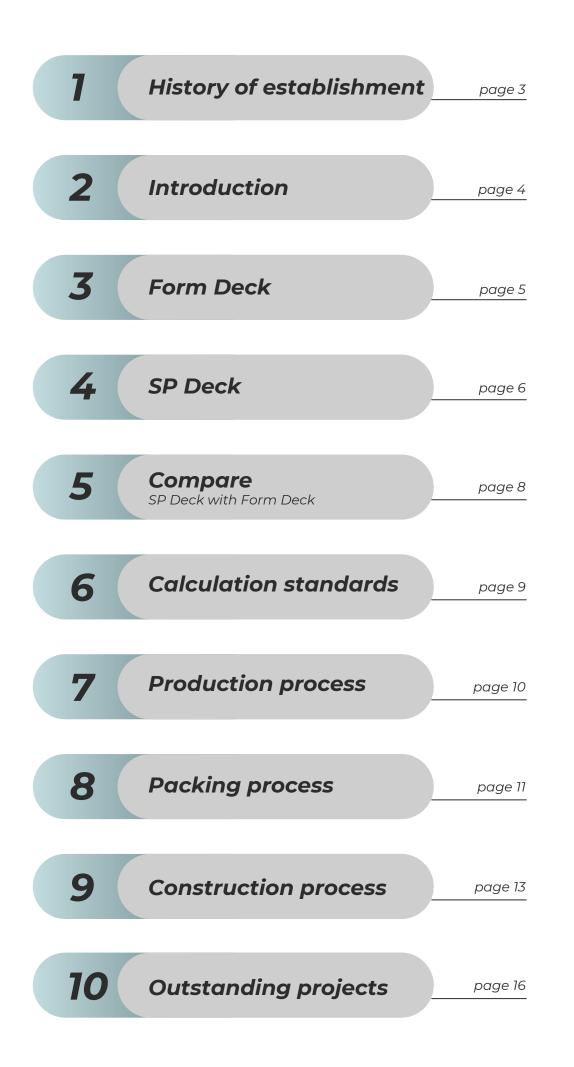








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1. History of establishment



Certificate

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etti Toundu Alanek mandu kye	SP Deck
Registration address: Floor 2 Lat CH 7-3, Ten Treang Indu	RADING AND TECHNICAL JOINT STOCK COMPANY I. M. 199 Manual Report HTML: Through New area 6. And Galar dearing. Medianals, Varianana Tautorya and Media, Cana Galang attantist, Han During providence, Varianana attantist, Varianana, Cana Galang, Can
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Oficially started SP Deck production

SP Deck has been present in nearly **50 domestic** and foreign projects



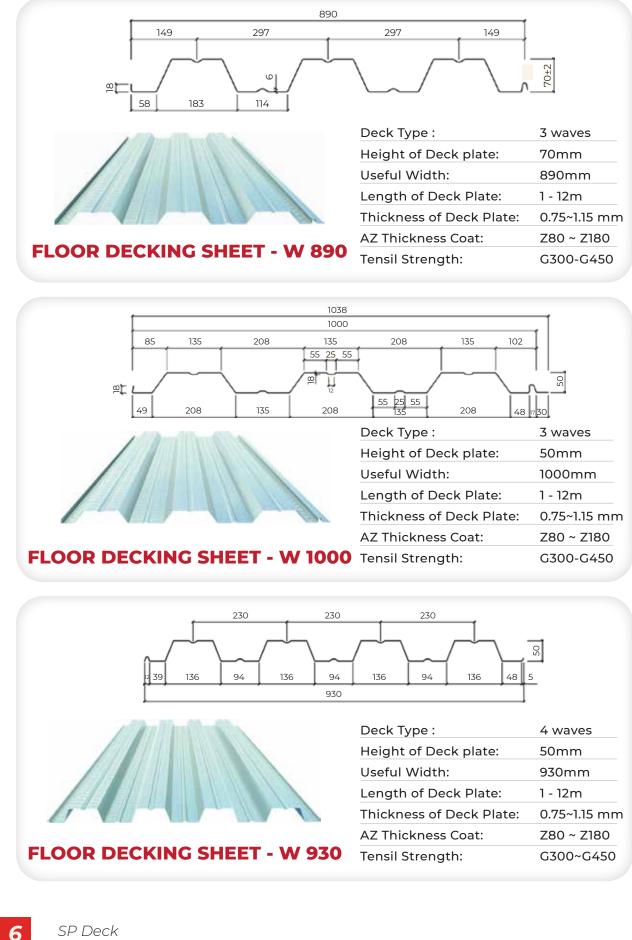
2. Introduce

SP Deck is manufactured by Seico with an imported line according to JG/T 368:2012 (equivalent to JIS G 3532:2011).

SP Deck uses coins steel (galvanized steel plate) that meets AS-1397 standard. Steel Rebars meet TCVN 1651- 2:2018 standard.



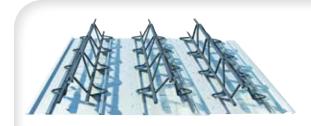
3. Form Deck



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Deck Type :	4 waves
Height of Deck plate:	50mm
Useful Width:	930mm
Length of Deck Plate:	1 - 12m
Thickness of Deck Plate:	0.75~1.15 mm
AZ Thickness Coat:	Z80 ~ Z180
Tensil Strength:	G300~G450



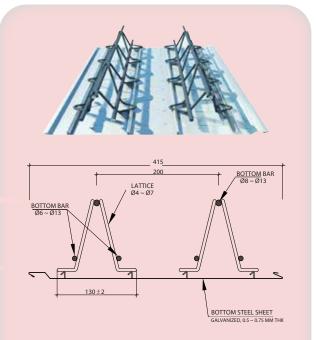


SP DECK - W 603

Steel bar:	3 lines	Thickness of Deck Plate:	0.5 ~ 0.75mm
Height of steel bar:	100 ~ 270mm	AZ Thickness Coat:	Z80 ~ Z275
Useful Width:	596mm	Tensil Strength:	G300 ~ G550
Length of Deck Plate:	according to the order		

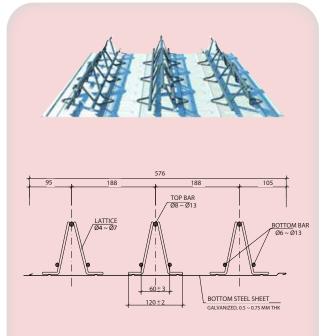
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BOTTOM BA ¢6 ~ ¢13



DECKING SHEET SP - W400

Steel bar:	2 lines
Height of steel bar:	100 ~ 270mm
Useful Width:	400mm
Length of Deck Plate:	1 - 9m
Thickness of Deck Plate:	0.5~0.75 mm
AZ Thickness Coat:	Z80 - Z275
Tensil Strength:	G300~G550



603

200

TOP BAR Ø8 ~ Ø13

95

200

DECKING SHEET SP - W566

Steel bar:	3 lines
Height of steel bar:	90 ~ 270mm
Useful Width:	566mm
Length of Deck Plate:	1 - 9m
Thickness of Deck Plate:	0.5~0.75 mm
AZ Thickness Coat:	Z80 ~ Z275
Tensil Strength:	G300~G550

FLOOR SHEET TABLE - SP DECK

Steel Grade CB400-V

Số hiệu	Chiều Đường kính thép dàn			Thép gia cường tại gối C			Chiều	Chiều K. cách	Khoảng cách dầm phụ giai đoạn sử dụng (m)									
tấm	cao dàn thép	trên	Thanh bụng	Thanh dưới	Thép nối thanh trên	Thép bổ sung lớp	Chiều dài neo	dày sàn H	dầm phụ GĐ thi	Hoạt tải sử dụng (kg/m2)								
	(mm)	(mm)	(mm)	(mm)	(mm)	trên (mm)	Lc (mm)	(mm)	công (m)	200	300	400	500	700	1000	1500	2000	3000
SD1-90	90							120	1,75	2,90	2,65	2,50	2,35	-	-	-	-	-
SD1-120	120		_	6	D8@200	D8@400	400	150	2,00	3,20	3,00	2,80	2,65	-	-	-	-	-
SD1-150	150	8	5					180	-	-	-	-	-	-	-	-	-	-
SD1-170	170 220							200	-	-	-	-	-	-	-	-	-	-
SD1-220 SD2-90	90							250 120	- 2,15	- 3,00	- 2,80	2,60	- 2,45	-	-	-	-	-
SD2-90 SD2-120	120							120	2,15	3,00	2,80	2,60	2,45	-	-	-	-	-
SD2-120	120	8	5	8	D8@200	D8@400	400	130	- 2,30		3,10	- 2,50		-	-	-	-	-
SD2-130	170	0	5		00@200		400	200	_	_	-	-	-	-	-	-	-	_
SD2-170	220							250	-	-	-	-	-	-	-	-	-	_
SD3-90	90							120	2,70	3,35	3,25	3,15	3,00	-	-	-	-	-
SD3-120	120			8	D10@200	D10@400	500	150	3,10	4,00	3,85	3,60	3,40	3,10	2,75	2,35	2,10	1,80
SD3-150	150	10	5					180	3,20	4,45	4,15	3,90	3,70	3,40	3,05	2,65	2,35	2,00
SD3-170	170							200	3,40	4,60	4,30	4,10	3,90	3,60	3,20	2,80	2,50	2,15
SD3-220	220							250	-	-	-	-	-	-	-	-	-	-
SD4-90	90		6	10	D10@200	D10@400		120	2,60	3,45	3,30	3,15	3,00	-	-	-	-	-
SD4-120	120							150	3,15	4,10	3,80	3,60	3,40	3,10	2,75	2,35	2,10	1,80
SD4-150	150	10					500	180	3,55	4,40	4,15	3,90	3,70	3,40	3,05	2,65	2,35	2,00
SD4-170	170							200	3,75	4,60	4,30	4,10	3,90	3,60	3,20	2,80	2,50	2,15
SD4-220	220							250	-	-	-	-	-	-	-	-	-	-
SD5-90	90		6	8				120	2,95	3,35	3,25	3,20	3,15	-	-	-	-	-
SD5-120	120							150	3,60	4,00	3,90	3,65	3,45	3,15	2,80	2,40	2,15	1,80
SD5-150	150	12			D12@200	D12@400	600	180	4,05	4,55	4,25	4,00	3,80	3,45	3,10	2,70	2,40	2,05
SD5-170	170							200	4,10	4,70	4,40	4,15	3,95	3,65	3,25	2,85	2,55	2,15
SD5-220	220							250	4,50	5,00	4,75	4,55	4,35	4,00	3,60	3,15	2,85	2,45
SD6-90	90			10	D12@200	D12@400	600	120	3,10	3,45	3,35	3,25	3,20	-	-	-	-	-
SD6-120	120							150	3,70	4,10	4,00	3,95	3,85	3,65	3,25	2,80	2,50	2,00
SD6-150	150	12	6					180	4,30	4,75	4,60	4,55	4,40	4,00	3,60	3,10	2,80	2,35
SD6-170	170							200 250	4,45	5,15 5.90	5,00	4,85	4,60	4,25	3,80	3,30 3,70	2,95	2,50
SD6-220	220								4,25		5,55	5,30	5,05	4,70	4,25		3,35	2,85
SD6-270 SD7-90	270 90							300 120	4,30 3,20	6,20 3,50	5,90 3,40	5,60 3,35	5,40 3,25	5,00	4,60	4,05	3,65	3,15
SD7-90 SD7-120	90 120							120	4.05	4,25	3,40 4.10	4.05	3,25 4.00	3.65	- 3.25	- 2.80	2.50	2.00
SD7-120 SD7-150	120				D12@200		-	180	4,05	4,25	4,10	4,05	4,00	4,00	3,60	3,10	2,50	2,00
SD7-130	170	12	6	12		D12@400	600	200	4,43	4,90 5,30	5,10	4,80	4,40	4,00	3,80	3,30	2,80	2,55
SD7-220	220						-	250	4,50	5,90	5,55	5,30	5,05	4,70	4,25	3,70	3,35	2,85
SD7-220	270							300	4,65	6,20	5,90	5,60	5,40	5,00	4,60	4,05	3,65	3,15
	High of	Top bar (mm)	Lattice bar	Bottom bar	Top connection	Top addition (mm)	anchor length Lc	Slab	Sub beam	-,	,	,				.,		
SP Deck mark	steel girders		Diameter of		(mm)		(<i>mm</i>)	Slab thickness H (mm)	step in construction stage (m)	Live load (kg/m2)								
	(<i>mm</i>)		der's reb		Reir	nforcemer	nt	(,,,,,)	(m)		ł	Sub be	am stej	o in usa	age sta	ge (m)		

Notes:

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- Calculation assumptions are made for a continuous 5-span floor beam system
- Mpa)
- The finishing layer thickness for the floor surface is 50mm with a density of 1900 kg/m³.
- throughout
- construction process.
- Do not pour concrete in the middle of the span.

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- Concrete strength assumption is B25 (fck =20 Mpa), and steel grade assumption is CB400V (Fy =400

- Always ensure that the floor concrete thickness does not exceed the calculated concrete thickness

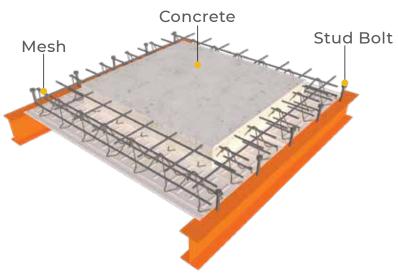
5. Compare SP DECK with FORM DECK

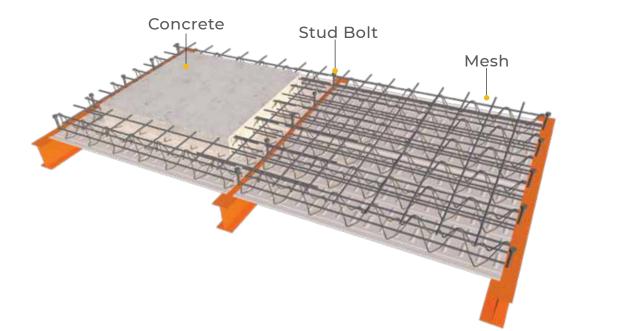
CONSTRUCTION CONSTRUCTION Construction is not fast due to Construction time is at least the loss of time to knit floor steel. 30% faster than Form Deck. QUALITY QUALITY Difficult to control quality. Reinforcement processing ensures accuracy, no errors, easy to control quality. FORM SP DECK DECK AESTHETIC AESTHETIC Large wave profile, poor aesthetics. Deck plate is nearly flat, so it is highly aesthetic, the ceiling work can be ignored. SPAN CROSSING STEP SPAN CROSSING STEP Short span crossing, The ability to cross the span is up to more than 4m, so it saves the volume only 2.5m maximum. of auxiliary beams, saving costs.

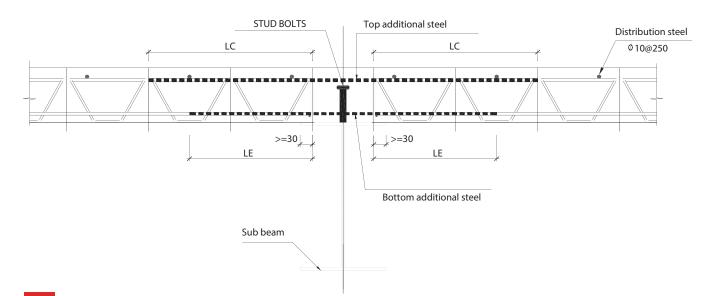




SP DECK construction plan







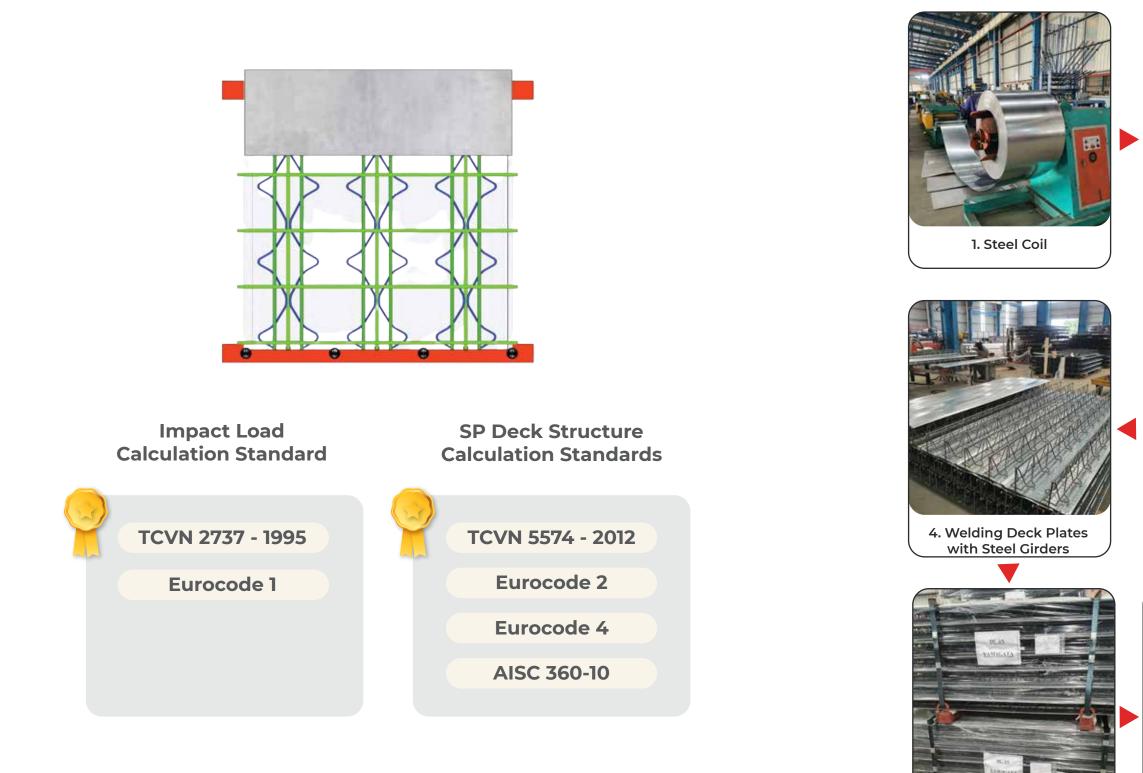
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6. SP DECK calculation standards

7. Production process



SP Deck

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5. Packing

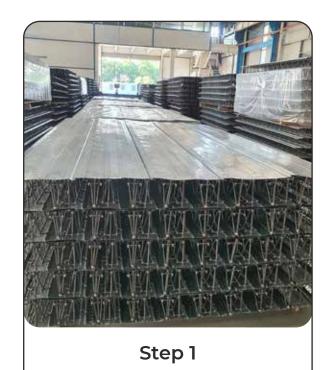


2. Deck Plates





8. Packing process







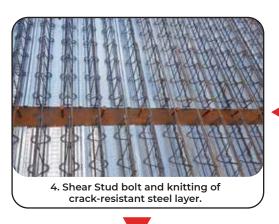
Step 3



Step 4

9. Construction process







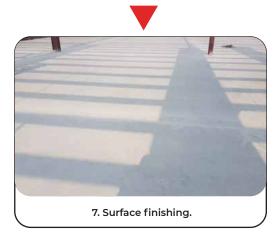
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10. Outstanding projects



ALPHA GREEN TECH VINA Investor/main contractor: Alpha Green Tech Vina Address: Hiep Hoa, Bac Giang



LG DISPLAY Investor/main contractor: LG Display Address: Hai Phong



SK NEXILIS

Investor/main contractor: SK Nexilis Address: Malaysia

Investor/main contractor:

Phuong Dong JSC Address: Van Đon, Quang Ninh

YAMAGATA Investor/main contractor: Yamagata Vietnam Co., Ltd Address: Yen Phong IP

Bac Ninh



LTG Investor/main contractor: Thai Nishimatsu Construction Address: Samit Prakan Thailand





LONG SON PETROCHEMICAL Investor/main contractor: Long Son P.I.C Address: Ba Ria, Vung Tau



WELVISTA Investor/main contractor: Sungdo ENG Viet Nam Address: Bac Ninh



Investor/main contractor: Sungdo ENG Vietnam Co., Ltd Address: Van Trung IP Bac Giang



