

**TAIAN KENUO PROFILE STEEL CO.,LTD.
SHANKOU,TAIAN CITY SHANDONG 271038,CHINA**

MILL TEST CERTIFICATE

CUSTOMER: SALZGITTER MANNESMANN INTERNATIONAL GMBH

INVOICE NO.: KNSALIV07001

CONTRACT NO.: SMHK-PEK-06-2300

DESCRIPTION OF GOODS: PRIME NEWLY ROLLED HOLLOW STRUCTURAL SECTIONS ACC. ASTM-A 500, GRADE B, WITH WORK'S TEST CERTIFICATE ACC. EN 10. 204/3.1 IN ENGLISH LANGUAGE, SHOWING MECHANICAL AND CHEMICAL PROPERTIES, IN RANDOM LENGTHS OF 40 FT +/- 2 INCH, WITH SQUARE CUT ENDS, BURRS REMOVED, BLACK, FREE OF ANY RUST, LIGHTLY OILED (WITH HIGH CLEANLINESS BARIUM FREE ANTIRUST OIL), SEAWORTHY BUNDLED, BUNDLES COMPLETELY WRAPPED WITH PLASTIC WOVEN CLOTH, BUNDLES MAX.. 3.000 KG

TEST CERTIFICATE.: KNSALMT07001

DATE: MAY 28, 2007

SHIPPING MARK:

DIMENSION

ASTM-A 500 GRADE B

HEAT NO.

NOS. OF PIECES

WEIGHT

VERACRUZ

1/ AND UP

COLOUR MARKING PER SIZE

SIZE	THICKNESS(MM)	LENGTH(M)	TOTAL PIECE COUNT	CHEMICAL COMPOSITION (%)					PHYSICAL AND MECHANICAL PROPERTIES		
				C	Mn	Si	P	S	YIELD (N/mm ²)	UTS (N/mm ²)	ELONG. (%)
6"x6"	0.188"	40'	198	0.17	0.37	0.15	0.020	0.030	325	415	33.5
6"x6"	0.250"	40'	300	0.13	0.38	0.16	0.007	0.028	320	420	27
6"x6"	0.313"	40'	72	0.19	0.48	0.16	0.031	0.021	325	400	32
6"x6"	0.375"	40'	104	0.20	0.40	0.16	0.015	0.020	330	450	29
6"x6"	0.500"	40'	80	0.15	0.36	0.17	0.021	0.026	320	400	35.5
8"x8"	0.188"	40'	144	0.12	0.52	0.16	0.030	0.030	320	445	30
8"x8"	0.250"	40'	216	0.15	0.50	0.16	0.026	0.032	335	475	29
8"x8"	0.313"	40'	88	0.15	0.52	0.23	0.030	0.031	325	410	39
8"x8"	0.375"	40'	176	0.16	0.45	0.19	0.029	0.031	330	405	30
8"x8"	0.500"	40'	136	0.18	0.31	0.08	0.022	0.004	330	430	30
10"x10"	0.250"	40'	88	0.09	0.33	0.10	0.026	0.018	320	420	35
10"x10"	0.313"	40'	84	0.09	0.34	0.16	0.010	0.016	325	415	31
10"x10"	0.375"	40'	116	0.07	0.34	0.16	0.016	0.012	320	400	33
10"x10"	0.500"	40'	106	0.07	0.38	0.16	0.016	0.014	325	420	31
12"x12"	0.250"	40'	140	0.09	0.35	0.17	0.011	0.011	325	430	30.5
12"x12"	0.313"	40'	114	0.11	0.34	0.16	0.008	0.012	320	430	32.5
12"x12"	0.375"	40'	144	0.10	0.34	0.17	0.012	0.016	340	455	31
12"x12"	0.500"	40'	74	0.11	0.36	0.17	0.007	0.012	320	430	34.5

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SIZE	THICKNESS (INCH)	LENGTH(M)	TOTAL PIECE COUNT	CHEMICAL COMPOSITION (%)					PHYSICAL AND MECHANICAL PROPERTIES		
				C	Mn	Si	P	S	YIELD (N/mm ²)	UTS (N/mm ²)	ELONG. (%)
14"x14"	0.375"	40'	122	0.21	0.32	0.03	0.024	0.007	320	450	32
14"x14"	0.500"	40'	93	0.10	0.36	0.17	0.018	0.025	330	435	30
16"x16"	0.375"	40'	106	0.20	0.31	0.05	0.008	0.006	320	410	29
16"x16"	0.500"	40'	81	0.22	0.33	0.07	0.012	0.006	340	440	28
8"x4"	0.188"	40'	192	0.17	0.37	0.15	0.020	0.030	325	415	33.5
8"x4"	0.250"	40'	144	0.17	0.36	0.15	0.020	0.026	330	420	30.5
8"x4"	0.313"	40'	120	0.17	0.38	0.16	0.024	0.024	325	430	32.5
8"x 6"	0.250"	40'	126	0.13	0.43	0.15	0.015	0.021	325	400	36.5
12"x6"	0.250"	40'	96	0.11	0.34	0.12	0.024	0.020	325	415	34
X12"x6"	0.375"	40'	66	0.15	0.47	0.17	0.012	0.020	330	410	32
12"x8"	0.375"	40'	58	0.07	0.34	0.16	0.016	0.012	320	400	33
X12"x8"	0.500"	40'	48	0.07	0.38	0.16	0.016	0.014	325	420	31

*ACCORDING TO EN 10.204/3.1

*ISSUED BY THE MANUFACTURER: TAIAN KENVO PROFILE STEEL CO.,LTD

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