

No. : TA21609E

Date : 15 June 2021

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Steels for Hull

1. Manufacturer : PRIVATE JOINT STOCK COMPANY
"AZOVSTAL IRON & STEEL WORKS"
2. Kind of Product : Plates
3. Grade : KA, KB, KD, KE, KA32, KD32, KE32, KA36,
KD36 and KE36
4. Deoxidation Practice : See Table
5. Grain Refining Elements : See Table
6. Max. Thickness : See Table
7. Condition of Supply : See Table
8. Steel Making Process : Basic Oxygen Furnace
9. Casting process : Continuous Casting

(to be cont.)


No. : TA21609E

Date : 15 June 2021

Table Part of Approval Conditions

Grade	Deoxidation Practice	Grain Refining Elements	Max. Thickness (mm)	Condition of Supply
KA KB	Killed	Not Applicable	50	AR
	Fine-grained Killed	Al	50	N
KD	Fine-grained Killed	Al	35	AR
			40	CR
			50	N
KE	Fine-grained Killed	Al	50	N
KA32 KD32 KA36 KD36	Fine-grained Killed	Al-Nb	40	CR
			50	N
KE32 KE36	Fine-grained Killed	Al-Nb	50	N




 Y. Takao
 General Manager
 Material and Equipment Department