



CORPORATE PURCHASING SPECIFICATION

AA 107 37

Rev. No. 06

PREFACE SHEET

**FERRITIC STAINLESS STEEL SHEETS AND PLATES - ANNEALED
ASTM A 240M, TYPE 405**

FOR INTERNAL USE ONLY
REMOVE THIS PREFACE SHEET BEFORE ISSUE TO SUPPLIERS

Comparable Standards:

- | | | |
|-------------|---|--|
| 1. AMERICAN | : | ASTM A 240M
Type: 405, Annealed. |
| 2. INDIAN | : | IS: 6911 - 1992
Gr: X 04Cr 12, Annealed |

Suggested/Probable Suppliers And Grades:

Refer Plant Vendors list

User Plant References:

- | | | |
|-------------------|---|--------------|
| 1. HEER - HARDWAR | : | HW 021 02 99 |
| 2. BHOPAL | : | PS 10641 |
| 3. HYDERABAD | : | -- |

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Revisions :

CI 28.4.16 of MOM of MRC-S&GPS

**APPROVED : Interplant Material
Rationalization Committee-MRC (S&GPS)**

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HARDWAR

Corp. R&D

JUNE, 1978



**FERRITIC STAINLESS STEEL SHEETS AND PLATES-ANNEALED
(ASTM A 240M, TYPE 405)**

ORDERING DESCRIPTION

1.0 GENERAL :

The sheets and plates shall conform to the latest version of ASTM A 240M, Type 405 and comply with the following additional requirements.

2.0 APPLICATION :

For general engineering purposes, where corrosion resistance is essential.

3.0 CONDITION OF DELIVERY:

Hot/Cold rolled, annealed and descaled (Finish number 1 or 2 B/2D).

4.0 DIMENSIONS:

Material shall be supplied to the dimensions specified in BHEL order.

5.0 CHEMICAL COMPOSITION:

As per ASTM A 240M, Type 405.

6.0 TEST CERTIFICATES:-

Three copies of test certificates shall be supplied along with the following information:

BHEL References :

AA 107 37 -Rev. No.06 (ASTM A 240M, Type:405)
BHEL order No,

Supplier's References :

Name
Identification No.
Melt No.
Process of manufacture
Details of heat treatment.

Result of Tests:

Dimensional inspection.
Results of chemical analysis, mechanical tests

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Revisions : CI 28.4.16 of MOM of MRC-S&GPS			APPROVED : Interplant Material Rationalization Committee-MRC (S&GPS)		
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**7.0 PACKING AND MARKING:**

Sheets shall be supplied in bundles or in packages each weighing upto a maximum of 3000kg. Plates shall be suitably packed to prevent damage during transit.

For plates below 25 mm thick, each pile (preferably of 16 plates) shall be marked with suppliers identification mark, 'AA 107 37 / ASTM A 240M, Type: 405', melt No., BHEL order No., on the top plate.

Each plate of 25mm thickness and above shall be stamped/painted with the suppliers identification mark, the melt number and AA 10737 (ASTM A 240M, Type: 405).

FOR INFORMATION ONLY**CHEMICAL COMPOSITION**

C	Si	Mn	Ni	Cr	S	P	Al
≤ 0.08	≤ 1.0	< 1.0	0.60, max	11.5-14.5	< 0.030	< 0.040	0.10-0.30

MECHANICAL PROPERTIES

Hardness Max		0.2% PS min N/mm ²	UTS min N/mm ²	% El min	Cold Bend.	î
BHN	HRB					
179	88	170	415	20	180°	î