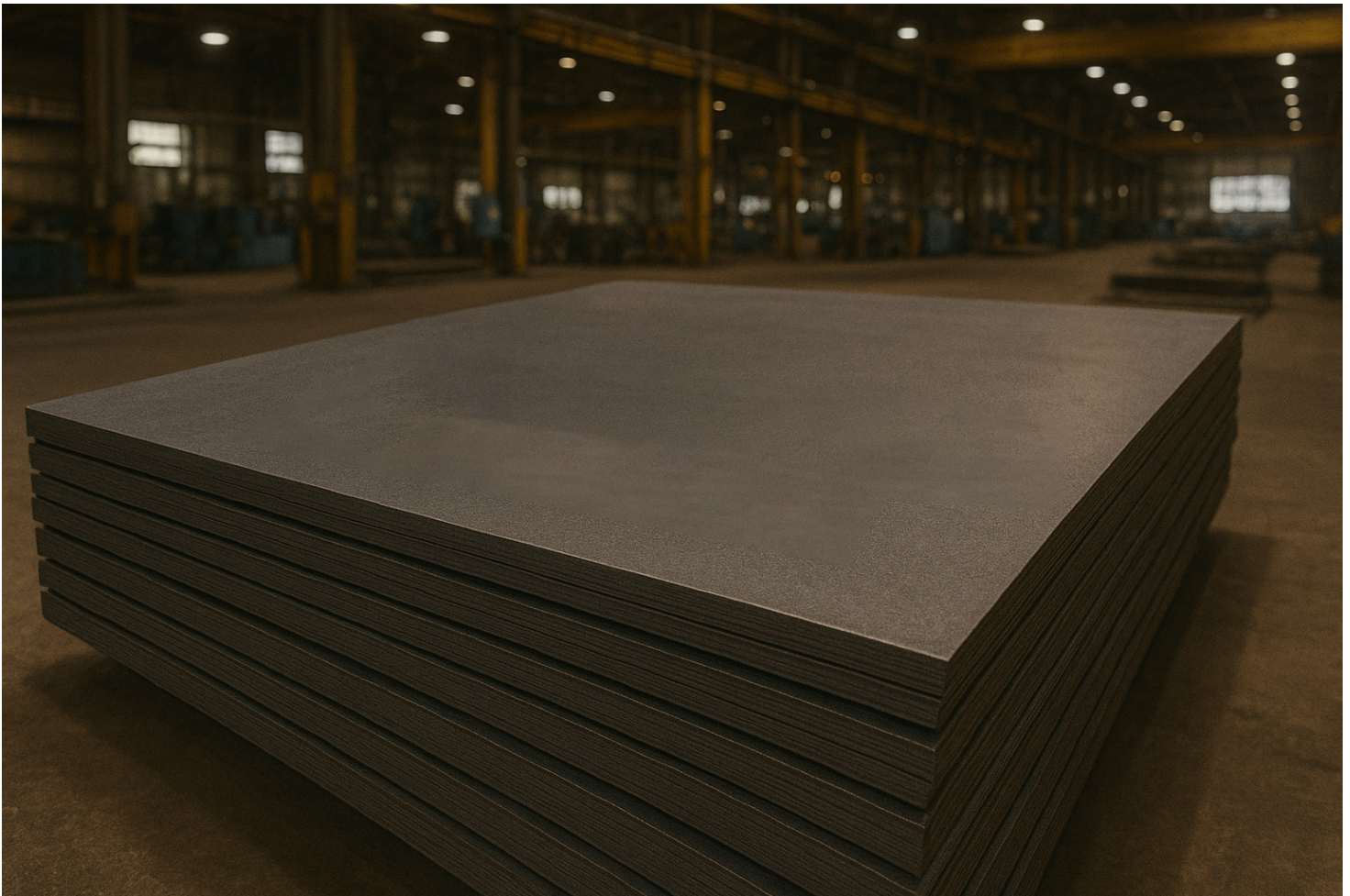




NAVGRAHA STEELS INC

Stockist & Supplier



SA 387 Gr 12 Cl 2

Alloy Steel Plates

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Introduction – What is SA 387 Gr 12 Cl 2?

SA 387 Grade 12 Class 2 is a 1% Chromium, 0.5% Molybdenum alloy steel plate designed for boilers, pressure vessels, and heat exchangers operating at elevated temperatures. The chromium provides oxidation resistance, while molybdenum improves strength and creep resistance. It conforms to ASTM A387 / ASME SA387 standards.

Mechanical Properties – SA 387 Gr 12 Cl 2

Property	Requirement
Tensile Strength	485–655 MPa
Yield Strength (min)	275 MPa
Elongation (min)	18%
Hardness (max)	250 HB

Chemical Composition – SA 387 Gr 12 Cl 2

Element	% (Typical)
Carbon (C)	≤ 0.15
Manganese (Mn)	0.30 – 0.60
Silicon (Si)	0.50 – 1.00
Chromium (Cr)	0.80 – 1.25
Molybdenum (Mo)	0.45 – 0.65
Phosphorus (P)	≤ 0.035
Sulfur (S)	≤ 0.035

Delivery Condition & Heat Treatment

- Normalized and Tempered (N+T) – Standard for Class 2
- Provides better creep strength and long-term service at elevated temperatures
- Optional impact testing for EPC project requirements

Standard Dimensions - SA 387 Gr 12 Cl 2

Parameter	Range
Thickness	6 - 120+ mm
Width	1500 - 3000 mm
Length	3000 - 13000 mm

Product Forms

- Plates – Boiler & pressure vessel use
- Cut-to-Size Sheets – CNC profiled with MTCs
- Fabricated Components – Beveled, drilled, machined

Applications Across Industries

- Boilers & steam drums
- Pressure vessels in refineries
- Heat exchangers & petrochemical plants
- High-temperature chemical equipment
- Power generation components

Buyer's Checklist - SA 387 Gr 12 Cl 2

- ASTM A387 / ASME SA387 mention on MTC
- N+T condition (Cl 2)
- Mechanical & chemical conformity check
- Third-party inspection (Lloyd's, TÜV, SGS, BV, DNV)
- Export packaging for GCC & Africa

Why Buy SA 387 Gr 12 Cl 2 from Navgraha Steel INC?

- Ready stock in Cr-Mo plates
- Fast dispatch with CNC cutting services
- Mill Test Certificates (EN 10204 3.1) traceable to heats
- Global export supply to GCC, Africa, and Asia

Request Price & Datasheet

Looking for 16Mo3 Plates from
SAIL, AMNS, JSPL, Evonith?



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