

Westgate

5251

(UNS A95251) W Nr.3.3553

Chemical composition	Al	Mg	Mn	Fe	Si	Zn	Cr	Ti	Cu	Others
% Present (Max)	Balance	2.2–2.8	0.2–0.7	≤0.40	≤0.25	≤0.10	≤0.15	≤0.10	≤0.10	≤0.05 each / 0.15 total

Aluminium 5251 is a medium-strength, non-heat-treatable alloy in the 5xxx series. It combines good formability and weldability with excellent corrosion resistance, especially in marine and atmospheric environments. Alloy 5251 is frequently used for pressed or formed components and applications requiring good fatigue performance and general corrosion resistance. It is typically supplied to general aerospace/engineering standards such as BS/EN specifications rather than aerospace AMS grades, and is commonly used in sheet, plate, and fabricated structures.

Specifications:

BS N6 – UK/BS designation for 5251 sheet and plate

ASTM B209 / ASTM B221 – General aluminium alloy sheet/plate and extrusions
(5251 does not have a dedicated AMS specification but is often supplied to general aerospace/engineering standards.)

Note: Values are in accordance with EN 10088 specifications. Actual mill certs available upon request.



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