

TECHNICAL DATA SHEET

Materials Specifications for materials used in Wallprotex™ Wall Protection Products

Stainless Steel

Type 304

Type 304 stainless steel is a T 300 series stainless steel austenitic. It has a minimum of 18% chromium and 8% nickel, combined with a maximum of 0.08% carbon. It is defined as a chromium nickel austenitic alloy.

PROPERTIES	VALUE
Yield Strength psi	35,000
Ultimate Strength psi	84,000
Elongation	55
Hardness	80 (RB) 149 (BHN)
Impact IZOD	110 (ft/lbs)
Heat Resistance	Good oxidation resistance in intermittent service to 1600° F.

Typical Chemistry

	C	Mn	P	S	Si	Cr	Ni
304	8.08	2.0	.045	.030	1.0	18.0 to 20.0	8.0 to 10.5

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