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**APPLICATION
NOTE**

Stainless Steel Finishes

**Stainless
Steels**

This note gives approximate equivalents of surface finish designations for stainless steel flat products.

Normal Designation in Australia	Condition	USA ASTM A480	Europe Euronorm EN 10088	Germany DIN 17 441	Typical Roughness Range mm
No 1, or S&D	Hot rolled, annealed, pickled	No 1	1D	IIa	3 to 6
2D	Cold rolled, annealed, pickled	2D	2D	IIIb	0.1 to 0.4
2B	2D finish, skin passed	2B	2B	IIIc	0.03 to 0.25
BA	Cold rolled, bright annealed, may be skin passed	BA	2R	IIId	0.02 to 0.06
No 4	Mechanically polished (finished) to a directional finish	No 4	2J or 2K	–	2J =0.2 to 2.0 2K <0.5 µm
No 8	Mechanically polished to a bright, non directional finish	No 8 (mirror)	2P	–	–
Tempered	2D or BA finish, rolled to higher strength	TR	–	IIIa	Better than 2B

Notes:

1. It is not possible to order material to a specific surface roughness range
2. the roughness of cold rolled finishes (2B, BA) reduces with thinner gauges