

# Surface roughness

@wikipedia

The average amplitude  $\epsilon$  of the material thickness variation.

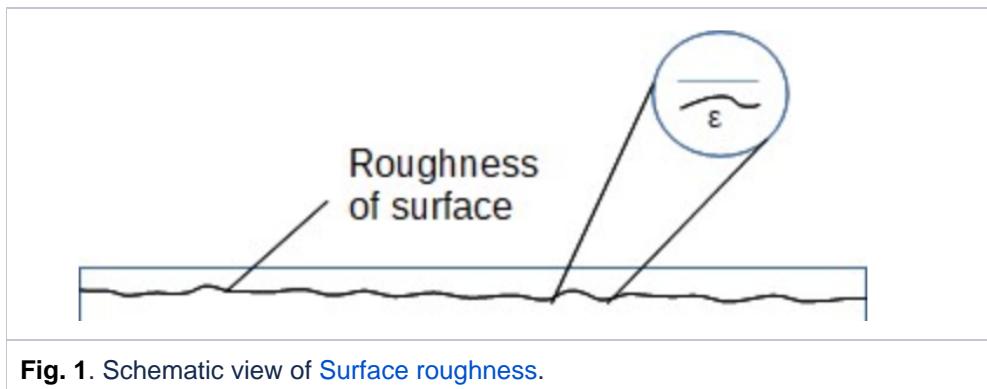


Fig. 1. Schematic view of Surface roughness.

Material	Conditions	mm	ft
Steel	sheet	0.05	$1.6 \times 10^4$
	pipe	0.045	$1.44 \times 10^4$
	stainless	0.002	$7 \times 10^6$
	rivet	3.0	$1 \times 10^2$
	rusty	2.0	$7 \times 10^3$
Iron	cast	0.26	$8.5 \times 10^4$
	forged	0.046	$1.5 \times 10^4$
	galvanised	0.15	$5 \times 10^4$
Brass		0.002	$7 \times 10^6$
Plastic		0.0015	$5 \times 10^6$
Glass		0	0
Concrete	smooth	0.04	$1.3 \times 10^4$
	rough	2.0	$7 \times 10^3$
Rubber	smooth	0.01	$3.3 \times 10^5$
Wood	plank	0.5	$1.6 \times 10^3$

See also

