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# Compressive Strength of Concrete

Strength varies depending on the mix of the concrete

Examples:

Residential	$\approx 1.7 \times 10^7 \text{ Pa}$	or	$\approx 2500 \text{ PSI}$
Commercial	$\approx 2.8 \times 10^7 \text{ Pa}$	or	$\approx 4000 \text{ PSI}$
Hi. Strength	$\approx 7.0 \times 10^7 \text{ Pa}$	or	$\approx 10,000 \text{ PSI}$

Info came from

<http://nrmca.org/aboutconcrete/cips/3sp.pdf>

High Strength concrete is defined by agreement as that with a compressive strength of over  $5.0 \times 10^7 \text{ Pa}$  (7000 PSI) after a 28 day hardening period

Concrete should be allowed to cure for at least 28 days.

Reinforced concrete is concrete that also contains steel rods or wire.