

## Duty Rating – Load Rating of Ladders

Ladders have a rating system that indicates the amount of weight that the ladder can safely bear. Overloading the ladder may result in the ladder breaking or failing. The following table shows both the CSA and ANSI rating grades as well as the load capacity. Load capacity includes the weight of both the worker and all materials on the ladder at any time.

LOAD CAPACITY*	DESCRIPTION	CSA CODE	ANSI CODE
200 lbs./91 kg	Household - Light Duty	Grade 3	Type III
225 lbs./102 kg	Tradesman and Farm - Medium Duty	Grade 2	Type II
250 lbs./113 kg	Construction and Industrial - Heavy Duty	Grade 1	Type I
300 lbs./136 kg	Construction and Industrial - Heavy Duty	Grade 1A	Type IA
375 lbs./170 kg	Construction and Industrial - Heavy Duty	Grade 1AA	Type IAA

\*Includes user and materials

The load capacity should conservatively exceed the highest anticipated weight on the ladder. That weight would be the combination of the weight of the worker AND the weight of equipment and materials that may be carried up the ladder. Some common examples of the weight of supplies and materials is shown in the following table.

Approximate Material Weights	
Portable Sprayer	20 lbs.
Ceiling Fan	30 lbs.
Tool Box with Tools	35 lbs.
Garage Door Opener	40 lbs.
5 Gallons of Paint	60 lbs.
Basketball Hoop	60 lbs.
Bundle of Shingles	70 lbs.
5 Gallon Roof Coating	70 lbs.
3 x 4 Window	80 lbs.
Sheet of Plywood	80 lbs.
(3) 4x4's	80 lbs.

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Some ladder may use labels to show the duty or load rating capacity. Examples of such labels is provided below.

Duty Ratings Chart

DUTY RATING	RATED USE	CSA CODE	ANSI
	Light Duty Household	Grade 3	Type III
	Medium Duty Commercial	Grade 2	Type II
	Heavy Duty Industrial	Grade 1	Type I
	Extra Heavy Duty Industrial	Grade 1A	Type IA
	Super Heavy Duty	Grade 1AA	Type IAA