

## Product Comparison Sheet

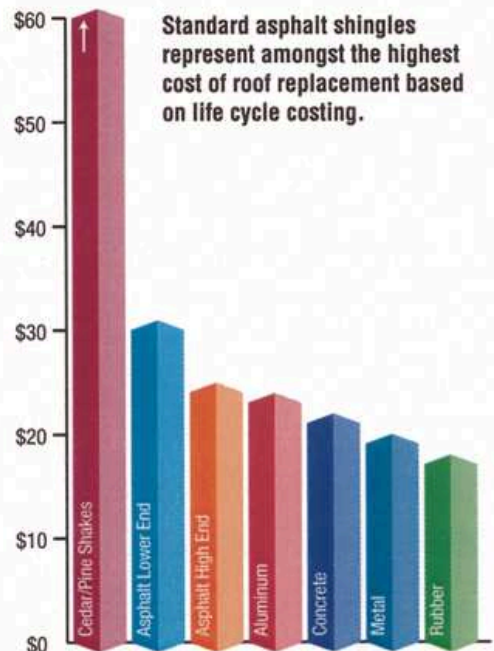
CHARACTERISTICS	PRODUCT						
	Shingles	Steel	Aluminum	Wood Shakes	Concrete	Stone	Rubber
Life Span (Warranty Period)	8-12 years	50+ years	50+ years	10-15 years	50+ years	50+ years	50+ years
Cost Guide (Installed per square foot)	\$3 <sup>00</sup> - \$6 <sup>00</sup>	\$6 <sup>00</sup> - \$9 <sup>00</sup>	\$9 <sup>00</sup> - \$12 <sup>00</sup>	\$12 <sup>00</sup> - \$14 <sup>00</sup>	\$11 <sup>00</sup> - \$14 <sup>00</sup>	\$14 <sup>00</sup> +	\$8 <sup>00</sup> - \$9 <sup>00</sup>
Weight (100 sq ft in a square)	225 lbs/square	150 lbs/square	50 lbs/square	730 lbs/square	750 lbs/square	900 lbs/square	300 lbs/square
Maintenance	Scars easily when hot	Low maintenance	Low maintenance	High maintenance	Easy to maintain	High maintenance	Very low maintenance
Walkable	Yes	Yes	No	Yes	Yes	Fragile	Yes
Installation	Needs to be stripped	Can be installed over existing shingles	Can be installed over existing shingles	Cannot be installed over shingles	Installation and repairs can be tricky	Requires specialized installation	Easy to install
Durability	Very poor	Excellent performance in high wind, hail, snow and rain	Can dent easily	Tends to rot and split	Extremely durable when maintained	Extremely durable when maintained	Excellent performance in high wind, hail, snow and rain
Environmentally Friendly	Very unfriendly	Very friendly	Very friendly	Very unfriendly	Friendly	Very unfriendly	Extremely friendly
Mildew and Moss	Subject to both	None	None	Subject to both	Subject to both	Subject to both	None
Fire Rating	Class C	Class A	Class A	Poor fire rating unless pressure treated	Class A	Class A	Class C

## Life Cycle Costing Chart

The graph below represents the cost per 100 square feet of roof area/year of servicable life.

Some additional points that should be taken into account when analyzing the real cost of a roof.

- Warranty terms - each manufacturers warranty needs to be studied since the terms of coverage are not all the same, even though they may be for 50 years.
- Added value claims can be \$10,000 for some permanent roofing systems.
- When a roof needs replacing then the cost of labour and material will escalate over time.
- Some materials will last considerably longer than the warranty period.
- Maintenance and repair costs will vary.
- Energy efficiencies will vary according to manufacturers claims.



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