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## Optical Coatings:

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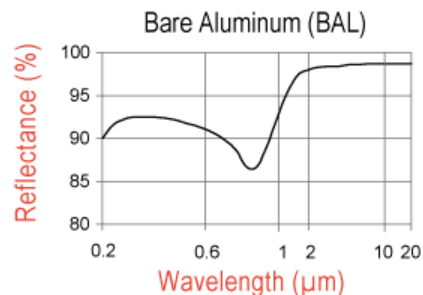
[Coatings Tutorial](#)
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## Metal Mirror » Bare Aluminum

Bare Aluminum offers greater than 86% reflectance from near UV to mid IR.

Aluminum will slowly oxidize, resulting in a significant loss of reflectance in the UV, and slight scattering throughout the spectrum. Therefore, it is best if aluminum has a protective dielectric overcoat.

A protective overcoat will also substantially improve abrasion resistance, so that the coating is less susceptible to damage during cleaning and handling.



### RMI Standard Specifications

$\lambda$ (μm):	% R, BAL:
0.22	91.5
0.26	92.2
0.30	92.3
0.34	92.5
0.38	92.5
0.40	92.4
0.45	92.2
0.50	91.8
0.55	91.5
0.60	91.1
0.65	90.5
0.70	89.7
0.75	88.6
0.80	86.7
0.85	86.7
0.90	89.1
0.95	92.4
1.00	94.0
1.50	97.4
2.00	97.8
3.00	98.0
4.00	98.2

5.00	98.4
6.00	98.5
7.00	98.6
8.00	98.7
9.00	98.7
10.0	98.7
15.0	98.7
20.0	98.7

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The cornerstone of the RMI service philosophy is a collaborative approach with our customers to solve even the most technically challenging requirements. Working with clients in the early stages of development, we transition prototype concepts to efficient and manufacturable solutions.



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