Coating

Coating Type		Properties and Application
Anti-Reflection	Single Layer MgF_2	Applied to materials with refractive indices from 1.45 to 2.4. The most popular antireflection coating for visible. They are insensitive to change in incidence angles.
	Multilayer “V”	Used to provide lowest reflectance with narrow wave band for most laser application. Minimum reflection less than 0.1%
	Broadband Multilayer	They have excellent performance in broadband. Coating performance is sensitive to angle of incidence.
	Dual Wavelength Band	Offer very low reflectance at two widely spaced wavelengths, such as Nd:YAG Laser (1064) and its second harmonic (532) .
Partial Reflection	Single Wavelength Band	Provide 50% reflection and transmission at 45° angle of incidence in single wavelength. Perfect for beamsplitters application.
	Broadband	In wide bandwidth provide 50% reflection and transmission. CRYSTECH can also partial coating with different R/T ratios at any angle of incident.
Beam -splitter	Laser Line Polarization Beamsplitter	High reflection to s-polarized and antireflection to p-polarized for laser application.
	Broadband Polarization Beamsplitter	In wide wavelength bandwidth provide high reflection to s-polarized and anti-reflection to p-polarized
	Dichroic Beamsplitters Mirrors	These coatings can separate the laser fundamental and the pump wavelength, or the fundamental and the second harmonic. They specifically applied to laser mirror.
High Reflection	Dielectric High Reflective Coatings	Provide high reflectance over a broad bandwidth, it is ideal for tunable laser and white light application.
	Metallic High Reflective Coatings	Metallic coatings have low peak reflectance, mechanical durability and damage threshold, but they have extremely broadband and low cost, specially they are insensitivity to angle of incident light and polarization.

Note: The other special coating is available too.