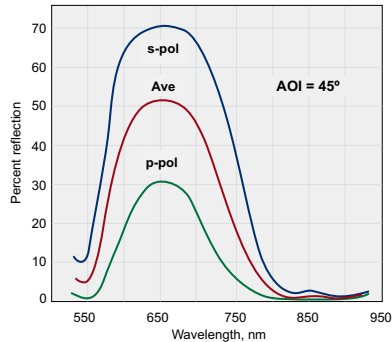


PARTIAL REFLECTING COATINGS

Partial reflecting coatings are durable multilayer dielectric coatings intended for efficient beam splitting as well as for output coupling in laser cavities. They are used in high power laser applications. Please refer to the *Substrates for Laser Mirrors* or *Windows* section for substrates for these coatings.



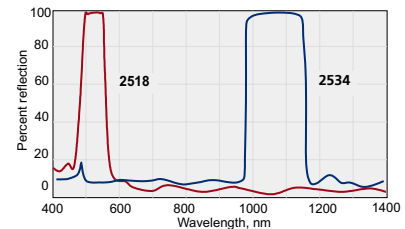
Coating number		Wavelength, nm	Reflectivity, %		Recommended substrate	Damage threshold, J/cm ² in 10 ns	Price, EUR Ø25 / Ø50
AOI = 0°	AOI = 45°		R, %	T, %			
2012-i0	2012-i45	248	25±3		UV FS	1	67 / 89
2015-i0	2015-i45		50±3				72 / 94
2017-i0	2017-i45		75±3				78 / 100
2022-i0	2022-i45	266	25±3		UV FS	1	56 / 78
2025-i0	2025-i45		50±3				61 / 83
2027-i0	2027-i45		75±3				67 / 89
2032-i0	2032-i45	308	25±3		UV FS	1	56 / 78
2035-i0	2035-i45		50±3				61 / 83
2037-i0	2037-i45		75±3				67 / 89
2042-i0	2042-i45	355	25±3		UV FS	2	50 / 72
2045-i0	2045-i45		50±3				50 / 72
2047-i0	2047-i45		75±3				50 / 72
2052-i0	2052-i45	400	25±3		UV FS	3	56 / 78
2055-i0	2055-i45		50±3				56 / 78
2057-i0	2057-i45		75±3				56 / 78
2062-i0	2062-i45	532	25±3		UV FS, BK7	3	45 / 67
2065-i0	2065-i45		50±3				45 / 67
2067-i0	2067-i45		75±3				45 / 67
2069-i0	2069-i45	633	25±3		UV FS, BK7	1.5	56 / 78
2070-i0	2070-i45		50±3				56 / 78
2071-i0	2071-i45		75±3				56 / 78
2072-i0	2072-i45	800	25±3		UV FS, BK7	3	56 / 78
2075-i0	2075-i45		50±3				56 / 78
2077-i0	2077-i45		75±3				56 / 78
2079-i0	2079-i45	852	25±3		UV FS, BK7	1	56 / 78
2080-i0	2080-i45		50±3				56 / 78
2081-i0	2081-i45		75±3				56 / 78
2082-i0	2082-i45	1064	25±3		UV FS, BK7	3	45 / 67
2085-i0	2085-i45		50±3				45 / 67
2087-i0	2087-i45		75±3				45 / 67
2089-i0	2089-i45	1550	25±3		UV FS, BK7	2	55 / 77
2090-i0	2090-i45		50±3				55 / 77
2091-i0	2091-i45		75±3				55 / 77

Contact us for other wavelengths and AOI's values.

LASER HARMONIC SEPARATORS

These harmonic separators comprise a dichroic reflector coating and should be applied on the front surface of high precision windows. They are used to separate the various harmonic components of

frequency doubled laser systems by selective spectral reflection and transmission. In all cases one wavelength is selected out by reflection and the other wavelengths are transmitted.



Coating number		Wavelength, nm	AOI = 0°		AOI = 45°		Recommended substrate	Damage threshold, J/cm ² in 10 ns	Price, EUR Ø25 / Ø50
AOI = 0°	AOI = 45°		R, %	T, %	R, %	T, %			
2506-i0	2506-i45	200-220 / 390-450	>90.0	>85	>90.0	>80	UV FS	1	111 / 133
2510-i0	2510-i45	355 / 532+1064	>99.0	>93	>99.0	>90	UV FS	1	74 / 96
2514-i0	2514-i45	380-420 / 720-820	>99.0	>90	>99.0	>90	UV FS, BK7	1	83 / 105
2518-i0	2518-i45	532 / 1064	>99.5	>95	>99.5	>95	UV FS, BK7	1	67 / 89
2522-i0	2522-i45	600 / 1200	>99.5	>95	>99.5	>95	UV FS, BK7	2	83 / 105
2526-i0	2526-i45	800 / 400	>99.5	>90	>99.5	>90	UV FS, BK7	2	89 / 111
2530-i0	2530-i45	1064 / 400-700	>99.5	>85	>99.5	>80	UV FS, BK7	2	83 / 105
2534-i0	2534-i45	1064 / 532	>99.5	>93	>99.5	>90	UV FS, BK7	2	72 / 105

Contact us for other wavelengths and AOI's values.