

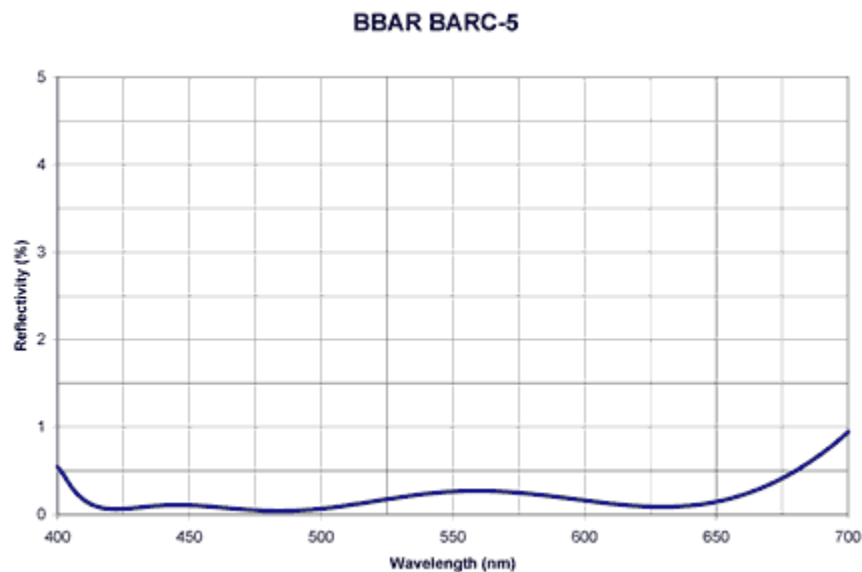
ZC&R AR Coatings

AR coatings are often crucial components in optical systems with multiple lenses or other optics where the maximum possible light energy is needed. AR coatings help to produce brighter images. AR coatings also reduce the intensity of ghost images which are sometimes produced in optical systems by multiple reflecting surfaces.

ZC&R commonly deposits various standard and custom AR coatings. AR coatings are generally separated into two groups. The first group is made of AR coatings that target one or more broad wavelength bands. Our BARC coatings are examples of this group.

BBAR BARC-5

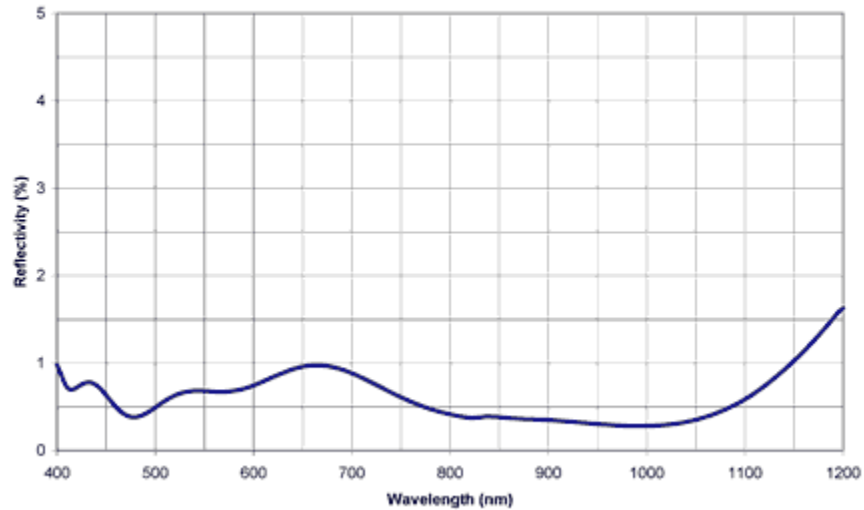
This high efficiency broadband anti-reflective coating reflects less than 0.5% average from 425-675nm. Higher performance specifications are also available. Standard & custom coatings are available for refractive indexes 1.46-1.90.



BBAR BARC-11

This coating provides a low level of reflectance across the wide spectrum from 400-1100nm, reflecting less than 1.0% average. The standard & custom coatings are available for refractive indexes 1.46 to 1.90.

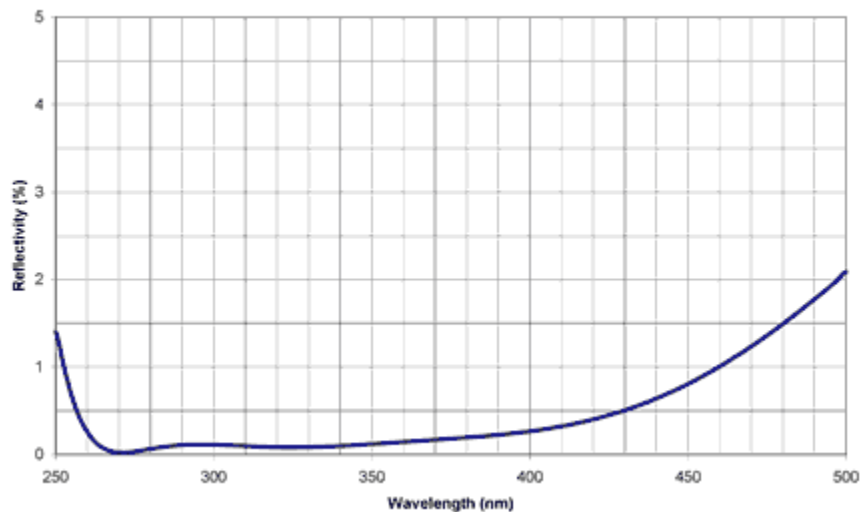
BBAR BARC-11



UV BBAR

This Broadband Anti-Reflective Coating is particularly designed for the ultra-violet region. It provides a low level of reflectance less than 0.5% average from 275 to 425 nm. Standard & custom coatings are available for refractive indexes 1.46-1.90.

UV BBAR

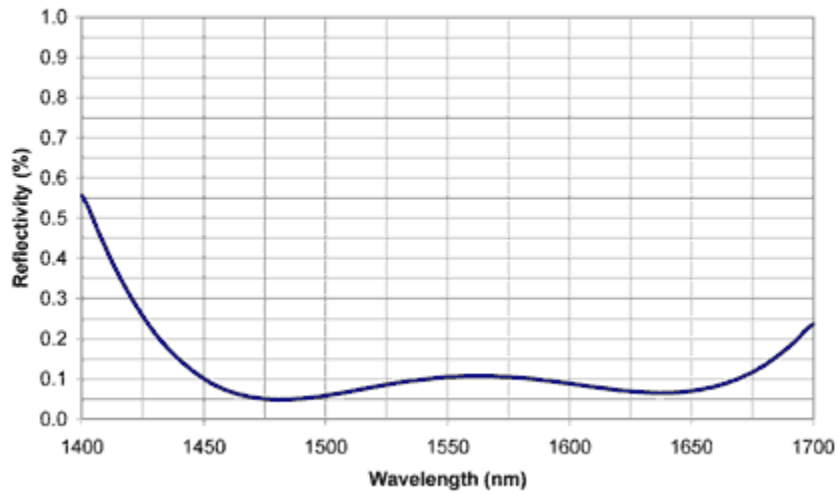


BBAR Optimized for Telecommunications

This Broadband Anti-Reflective Coating is particularly designed for telecommunication applications. It provides a low level of reflectance to less than 0.25% average from 1450 to 1650 nm. Standard & custom coatings are available for refractive indexes 1.46-1.90.

The second group of AR coatings is made of AR coatings that target one or more narrow wavelength bands. The most common coating in this group is termed a Vcoat. Vcoats are used to target a single wavelength, such as 632.8nm or 532nm, or a single very narrow band of wavelengths.

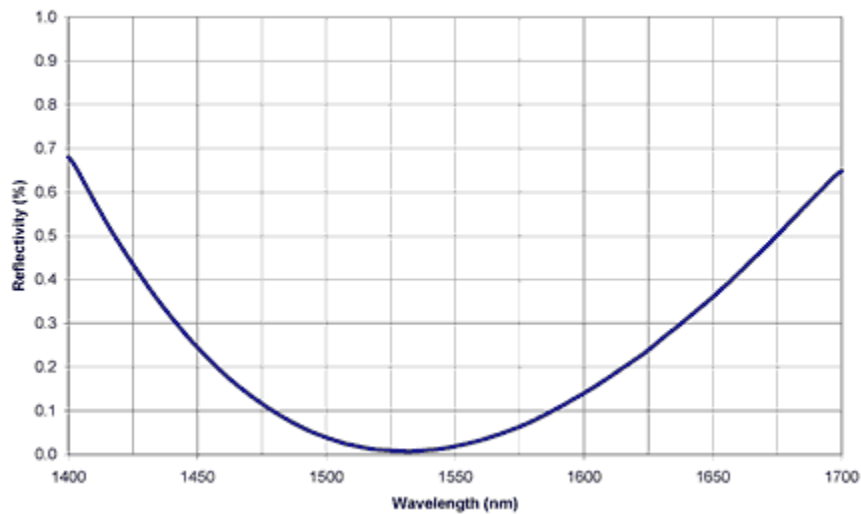
BBAR Optimized for Telecommunications



Narrow Band AR (nominally centered @ 1550 nm)

This narrow band AR is an excellent coating for targeting a single wavelength or very narrow band of wavelengths. The coating is commonly used to reduce reflections for 1550 nm or surrounding wavelength applications. Standard 0.25% and high performance 0.05% specifications are available.

Narrow Band AR



Narrow Band AR (nominally centered @ 632.8nm)

This narrow band AR is an excellent coating for targeting a single wavelength or very narrow band of wavelengths. The coating is commonly used to reduce reflections for 632.8 nm or surrounding wavelength applications. Standard 0.25% and high performance 0.05% specifications are available.

Narrow Band AR (632.8nm)

