

## Real gems versus lab grown diamonds: great advice

A lot of individuals love diamond gemstones, very few of them can afford them. As a result, there is need of gems of the same props as of real diamond stones. High-leaded glass (rhinestone) is known as diamante is made from glass, acrylic or rock crystal. They are called Strass in honor of Georg Friedrich Strass, a jeweler who has coated the lower part of the glass in order to look in exactly the same way as diamond. Indeed, the so-called strass effect is like adamant glass, consequently, sometimes strass is reproduced as natural diamond. Just those clients that don't have the ghost of a notion of how real gem can look like can be jockeyed, others - surely not. Crystal doesn't have characteristics typical for natural gem, such as hardness, heat conductivity and life span. The cause is that gemstones are of diverse kind and structure. Of course, diamante is much lower consequently everyone can afford it, but it won't be as a real stone. The most favourite natural diamond substitution on market is Cubic Zirconia (CZ). It is isometric, the same as diamond is. This property makes it look like a 100% real stone. In any case, CZ is an artificial that's why to make crystals and make these remain durable at ordinary temperature , a stabilizing element is always mandatory. Usually yttrium or calcium play the role of stabilizers, but their amount is determined by producers individually. The case is stabilizing oxides stay in the finished product. This makes the stone to weight more than real diamond gemstone. Moreover, the dispersion of CZ is higher in comparance with diamond. That's why, it is that easy to deceive an unexperienced person and to convince him cubic zirconia is a real one, but cubic zirkonion will for sure fail the break test - just hit it with smth. very hard, durable as natural diamond gemstone. Other simulants will not succeed in both destructive test or thermal test, even in either of tests. It can seem that not a thing can make the diamond affordable for people. Still, in 1954 a serious contender to mined gemstone was created - [synthetic stone](#). It diverges from other diamond gemstone simulants with characteristics, composition, physical structure and conditions of synthesis. Simulated gem is grown in a laboratory under high temperature high pressure conditions, which copy natural environmental conditions that are required for diamond formation. Artificial diamond gemstone includes 100% the same material as natural diamond gemstone does - carbon. Created diamond gemstones have the same characteristics as real gems: optical, chemical and physical. These of the same solidity, longevity and glistering effect as natural diamonds. In addition, these cost less and easier to get. It's possible to both purchase them in e-shop or at a jewelry store. For very exacting customers laboratory grown diamond gemstones are available in a number of colors: blue, green, pink or yellow which are highly high-priced and rare when are found in natural conditions. They are also might be purchased in loose stones or in diamond jewelry. So, nowadays "real" diamonds are bargain-priced.

## About the Author

Lis Peight writes about [man made diamonds](#) and technology. Visit related website about synthetic diamonds at <http://www.created-diamonds.com>

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