



RUBY REFLECTIONS
SIAMITE® GLASS-CERAMIC



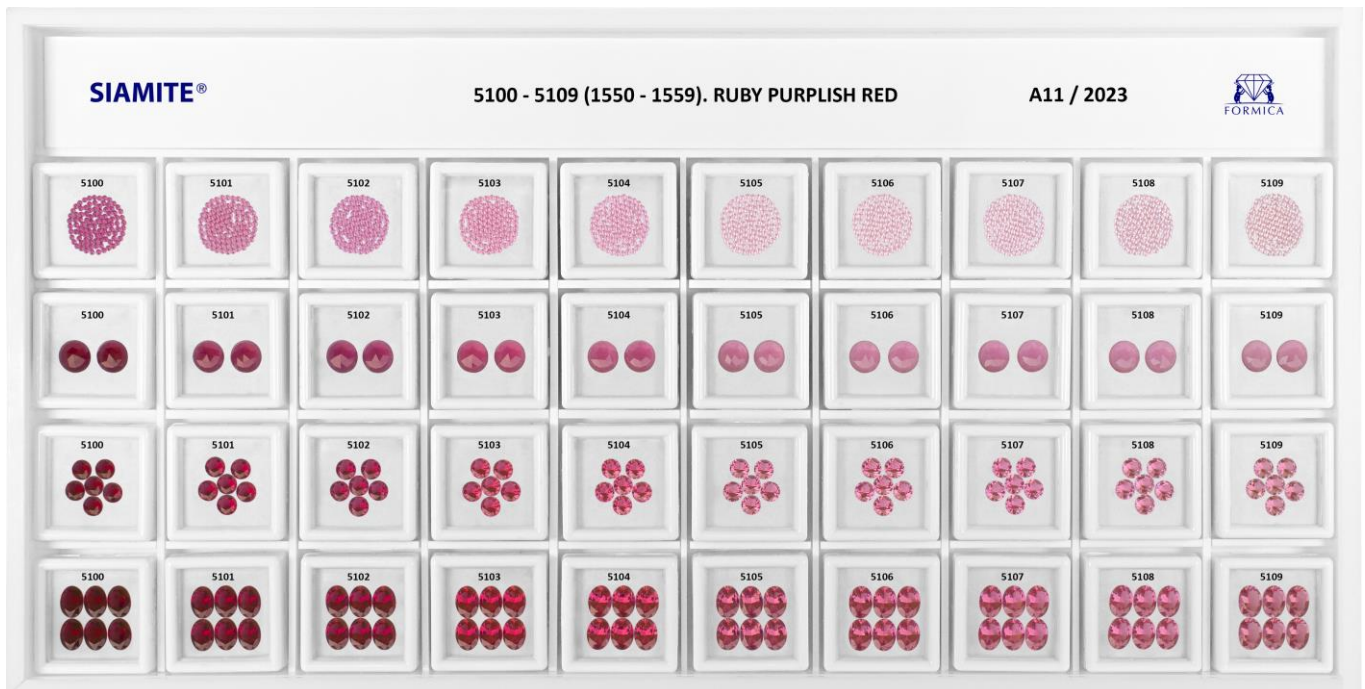
Rubies are one of the most valuable gemstones in our planet. Together with sapphire they are part of the corundum mineral family. Ruby is the traditional birthstone for July and for the 40th wedding anniversary.

MATERIALS OVERVIEW

The physical properties of rubies are the same as those of all corundums, whether natural or synthetic: Mohs hardness of 9, refractive index of 1.76-1.77, and specific gravity of 3.97-4.05 g/cm³.

SIAMITE® ruby reflections are significantly inferior to corundum in all three parameters, with values of 7.5, 1.62-1.63, and 3.0-3.3, respectively. However, other ruby imitations, such as optical or crystal glasses, cubic zirconium, and others, also differ greatly from corundum in terms of physical properties.

Therefore, the most important criteria when choosing the best imitation remain the color or range of colors, their uniformity, and the stability of reproduction. In terms of these parameters, as well as resistance to thermal shocks when casting with stones set in wax, SIAMITE® has no competitors.



SIAMITE®
CREATED BY FORMICA

500+

SIAMITE®
COLORS


ECO
FRIENDLY


SIZE
AND FIT

✓

LOST-WAX
CASTING

1500°C

HEAT
RESISTANT

7.5

MOHS
HARDNESS

HIGH
REFLECTION

ADVANCED
APPLICATIONS

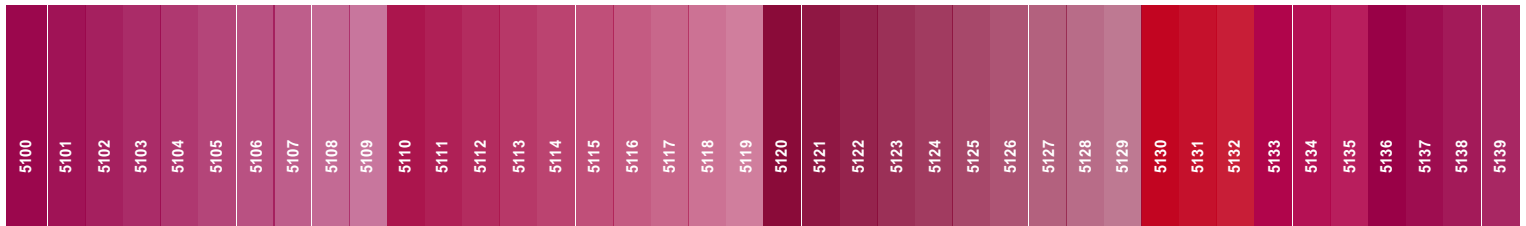
RUBY REFLECTIONS

COLOR PALETTE

The glass-ceramic production technology used by Formica allows for the creation of an unlimited range of colors, from violet-red to orange-red. We classify only the purple-red and red varieties as rubies. All orangish-red and orange-red SIAMITE® are included in the groups of red tourmalines, spinels, and garnets and will be described in future publications.

SIAMITE® ruby reflections consists of four groups of colors:

1. **5100–5109 purplish red** – from extremely dark to very light.
2. **5110–5119 slightly purplish red** – from extremely dark to very light.
3. **5120–5129 vivid red** – from extremely dark to very light.
4. **5130–5139 dark ruby**: a) 5130–5132 extremely dark vibrant red; b) 5133–5135 from extremely dark to very dark slightly purplish red; c) 5136–5139 from extremely dark to very dark purplish red.



5100-5109 RUBY PURPLISH RED

	5100	VD Vivid Purplish Red
	5101	VD/D Vivid Purplish Red
	5102	D Vivid Purplish Red
	5103	D/M Vivid Purplish Red
	5104	M Vivid Purplish Red
	5105	M/L Rose
	5106	L Rose/Pink
	5107	L Pink
	5108	L/VL Pink
	5109	L/VL Pink

5110-5119 RUBY

	5110	ExD/D Slightly Purplish Red
	5111	VD Slightly Purplish Red
	5112	VD/D Slightly Purplish Red
	5113	D Slightly Purplish Red
	5114	D/M Slightly Purplish Red
	5115	M Slightly Purplish Red
	5116	M/L Slightly Purplish Red
	5117	M/L Slightly Purplish Red
	5118	L Slightly Purplish Red
	5119	L/VL Slightly Purplish Red

5120-5129 RUBY RED

	5120	ExD Red
	5121	ExD/VD Red
	5122	VD Red
	5123	VD/D Red
	5124	D Red
	5125	D/M Red
	5126	M Red
	5127	M/L Red
	5128	L Red
	5129	L/VL Red

5130-5139 RUBY DARK

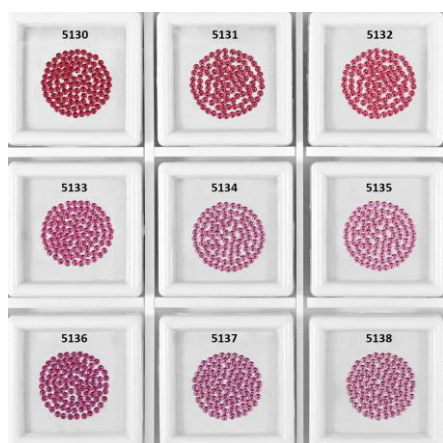
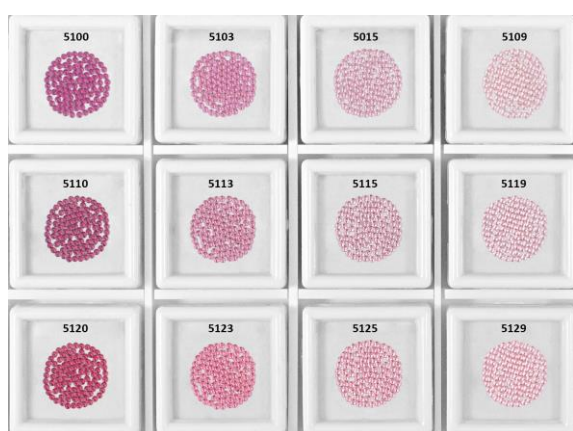
	5130	ExD Red
	5131	ExD/VD Red
	5132	ExD/VD Red
	5133	ExD Slightly Purplish Red
	5134	ExD/VD Slightly Purplish Red
	5135	VD Slightly Purplish Red
	5136	ExD Purplish Red
	5137	ExD/VD Purplish Red
	5138	VD Purplish Red
	5139	ExD/VD Purplish Red

RUBY REFLECTIONS

MATERIAL SAMPLE

The finest ruby color is a pure, vibrant red to slightly purplish red with vivid color saturation. "Pigeon blood" red is the most desirable color of ruby – it symbolizes passion, devotion, romance, and love. Orange and overly purple varieties are less in demand.

In the photos below, you can see that color depends on the stone's size, shape, and cut. At the same time, the entire group 5120–5129, as well as the extremely dark 5130, 5131, and 5132, correspond to the most expensive colors of natural ruby.



SIAMITE® ruby reflections are undoubtedly one of our bestsellers. Four color groups, each containing 10 varieties of tone and color saturation (40 varieties in total), cover almost the entire spectrum of natural rubies. Additionally, SIAMITE® by Formica is available not only in standard size and shape stones, but also in the form of 2D and 3D figures, which can be produced according to customer drawings. This allows jewelry designers to work with unique-shaped stones and all kinds of shades of red when creating their jewelry and fashion accessories.

STANDARD AND CUSTOMIZATION SAMPLES AVAILABLE ON REQUEST.
FOR MORE INFORMATION, PLEASE VISIT OUR WEBSITE OR CONTACT OUR SALES AND TECHNICAL TEAM.