

# Gemstone Care Requirements for Jewelry Repair

Gem	Heat	Acids	Solvents	Soap	Steam	Ultrasonic	Abrasion
Alexandrite	avoid sudden temperature change	resistant	resistant	ok	ok	ok	high resistance
Amber	melts with low heat	dissolves	no	ok, do not soak	no	no	only soft cloth
Amethyst	gentle may deepen color, high may cause color loss and fracture danger	avoid	resistant	ok	ok	ok	avoid contact with other gems and polishing agents
Beryl	fractures, may fade, possible color change	resistant	resistant	ok	ok, except on included	ok, except on included	high resistance
Aquamarine	fractures, may fade, possible color change	resistant	resistant	ok	ok	ok	high resistance
Beryl (green)	fractures, may fade, color change to sea-blue	resistant	resistant	ok	ok, except on included	ok, except on included	high resistance
Beryl (orange)	fractures, may fade, possible color change	resistant	resistant	ok	ok, except on included	ok, except on included	high resistance
Cat's-eye chrysoberyl	avoid, sudden changes, avoid high heat	ok	resistant	ok	ok	ok	high resistance
Chalcedony	avoid sudden change, possible color change	resistant	resistant, except dyed material	ok	ok	ok	avoid contact with other gems and polishing agents
Citrine	color loss, fracture danger	avoid	resistant	ok	ok	ok	avoid contact with other gems and polishing agents
Coral	low heat can damage	dissolves	no	ok	no	no	only soft cloth
Cubic zirconia	avoid sudden temperature change	ok	resistant	ok	ok	ok	avoid contact with other gems

Gem	Heat	Acids	Solvents	Soap	Steam	Ultrasonic	Abrasion
Diamond	oxidizes above 700°C, no direct torch	ok	resistant	may leave soap film	ok	ok, except if fractured	unaffected
Emerald	easily fractures, may dull	resistant	no	no	no	no	high resistance
Garnet	avoid sudden changes, fuses with direct torch	resistant	resistant	ok	no	ok, except andradite	avoid contact with other gems and polishing agents
Hematite	avoid sudden changes, avoid high heat	resistant	resistant	ok	ok	ok	avoid contact with other gems and polishing agents
Iolite	avoid sudden changes, avoid high heat	avoid	no	ok	no	no	avoid contact with other gems and polishing agents
Ivory	even low heat can damage	discolors, dissolves	no	ok, do not soak	no	no	only soft cloth, avoid rubbing together
Jade (jadeite)	fuses with direct torch	slight affect	resistant	ok	ok	ok	avoid contact with other gems and polishing agents
Jade (nephrite)	resistant	slight affect	resistant	ok	ok	ok	avoid contact with other gems and polishing agents
Kunzite	avoid	avoid	no	ok	ok	no	avoid contact with other gems and polishing agents
Lapis lazuli	may deepen color or cause change to green, high heat whitens	avoid	no	ok, do not soak	no	no	avoid contact with other gems and polishing agents
Labradorite	avoid sudden changes, avoid high heat	resistant	resistant	ok	ok	ok	avoid contact with other gems and polishing agents
Malachite	avoid	avoid	no	ok, do not soak	no	no	avoid contact with other gems and polishing agents
Marcasite	avoid high heat	avoid	avoid	ok	ok	ok	avoid contact with other gems and polishing agents
Moonstone	avoid sudden changes, avoid high heat	resistant	resistant	ok	no	no	avoid contact with other gems and polishing agents

Gem	Heat	Acids	Solvents	Soap	Steam	Ultrasonic	Abrasion
Obsidian	avoid sudden changes, avoid high heat	may etch	avoid	ok	no	no	avoid contact with other gems and polishing agents
Opal	avoid, very sensitive	avoid	avoid	ok, do not soak	no	no	avoid contact with other gems and polishing agents
Pearl	even low heat can damage, cracking and dehydration	dissolves	no	mild ok, pat dry	no	no	only soft cloth, avoid rubbing together
Peridot	sudden changes or high heat may fracture	avoid	avoid	ok	no	no	avoid contact with other gems and polishing agents
Pyrite	avoid high heat	avoid	avoid	ok	ok	ok	avoid contact with other gems and polishing agents
Rhodolite	avoid	avoid	avoid	ok	no	no	avoid contact with other gems and polishing agents
Rose quartz	gentle heat lightens, high heat may cause color change and fracture danger	avoid	resistant	ok	ok	ok	avoid contact with other gems and polishing agents
Rubellite	avoid sudden changes, high heat may cause color change	resistant	resistant	ok	no	no	avoid contact with other gems and polishing agents
Ruby	stable, avoid direct torch	resistant	resistant	ok	ok, except oiled stones	ok, except oiled stones	high resistance
Sapphire	stable, avoid direct torch	resistant	resistant	ok	ok, except black star	ok, except black star	high resistance
Shell and shell cameo	even low heat can damage cracking and dehydration	dissolves	no	mild ok, pat dry	no	no	only soft cloth safe
Spinel	intense heat can fade, no direct torch	ok	resistant	ok	ok	ok	high resistance

Gem	Heat	Acids	Solvents	Soap	Steam	Ultrasonic	Abrasion
Tanzanite	fuses with direct torch	avoid	avoid	ok	no	no	avoid contact with other gems and polishing agents
Topaz	fractures, may fade, color change to sea-blue	resistant	resistant	ok	ok, except on included	ok, except on included	high resistance
Tourmaline	Avoid sudden changes, heat may casuse color change	resistant	resistant	ok	no	no	avoid contact with other gems and polishing agents
Tsavorite (garnet)	avoid sudden changes, fuses with direct torch	resistant	resistant	ok	no	ok	avoid contact with other gems and polishing agents
Tourquoise	even low heat can damage cracking,color change, treated stones (most are) easily destroyed	avoid	avoid	mild ok, do not soak	no	no	avoid contact with other gems and polishing agents
Zircon	Avoid sudden changes, high heat may casuse color change	resistant	resistnat	ok	ok	ok	avoid contact with other gems and polishing agents