



Rikett Quartz Tile (RQT) vs. VCT

1) Tile Quality:

- A. RQT: 24 x 24 (2 SQF) vs. VCT: 12 x 12 (1 SQF).
- B. RQT offers faster installation with fewer seams.
- C. RQT tile is also a very stable tile so there is less shrinkage than VCT.
- D. Large format tile allows superior design flexibility.
- E. RQT is manufactured with Bio-Based, non-food plasticizers – no harmful Ortho-Phthalates
- F. RQT is made with an industrial grade polyurethane coating, VCT is not.
- G. Wear Warranty – VCT is typically 5 years. RQT is 20 years.

2) Performance:

- A. RQT is more flexible, so it is less likely to crack or break than VCT.
- B. RQT's static load is over 3000 PSI. VCT is an average 75 PSI.
- C. RQT is harder than VCT with a MOHS hardness scale rating of 7. VCT's rating is 3. (Diamond is 10)
- D. VCT absorption rate is 7%-15%. RQT is 0.3%. This means better resistance to stains, bacteria, and mold.
- E. RQT uses Bio-Based non-food plasticizers. There are no harmful phthalates. Most VCT uses petroleum based Ortho-Phthalates.

3) Maintenance:

- A. VCT is porous and requires a sealer. Non-porous RQT requires no sealer.
- B. New VCT floors require stripping, sealing and polishing with 3-5 coats of finish. This is not necessary with RQT. Instead, just clean RQT with a neutral cleaner, as needed. This may save an average of up to \$2.00/SQ FT per year.
- C. VCT has a much higher frequency of "strip and recoat" than RQT.
- D. RQT shows less scuffs and sub-floor irregularities.
- E. Regular sweeping, spot removal and cleaning with a scrub brush should do the job with RQT
- F. Depending on traffic levels and desired appearance, applying a finish is optional with RQT.

Lifecycle Cost Analysis*

Average Installed Cost: VCT vs. RQT – Year 1

<u>Year 1</u>	<u>VCT</u>	<u>RQT</u>
Material	\$1.50	\$2.50
Installation	\$1.50	\$1.75
<u>Initial Maintenance</u>	<u>\$1.00</u>	<u>\$0.25</u>
Total First Year Cost/SF	\$4.00	\$4.50

*Approx. installed cost based on 1-2 colors, 10,000 SQF installed and following manufacturers installation and maintenance recommendations.

This is an estimated cost. Actual costs may vary due to location and labor costs.



20-Year Lifecycle Cost Analysis
10,000 SQ FT

Year	VCT	RQT	SF Savings	Annual Savings	-	Notes
1	\$2.50	\$3.50	-\$1.00	-\$10,000		
2	\$4.50	\$4.25	\$0.25	\$2,500		RQT <24 month break even
3	\$6.50	\$5.00	\$1.50	\$15,000		
4	\$8.50	\$5.75	\$2.75	\$27,500		
5*	\$10.50	\$6.50	\$4.00	\$40,000		VCT - Warranty Expires
6	\$12.50	\$7.25	\$5.25	\$52,500		
7	\$14.50	\$10.25	\$4.25	\$42,500		RQT- Recoat Polyurethane
8	\$16.50	\$11.00	\$5.50	\$55,000		
9	\$18.50	\$11.75	\$6.75	\$67,500		
10**	\$27.50	\$12.50	\$15.00	\$150,000		Replace VCT
11	\$29.50	\$13.25	\$16.25	\$162,500		
12	\$31.50	\$14.00	\$17.50	\$175,000		
13	\$33.50	\$14.75	\$18.75	\$187,500		
14	\$35.50	\$17.75	\$17.75	\$177,500		RQT- Recoat Polyurethane
15	\$37.50	\$18.50	\$19.00	\$190,000		
16	\$39.50	\$19.25	\$20.25	\$202,500		
17	\$41.50	\$20.00	\$21.50	\$215,000		
18	\$43.50	\$20.75	\$22.75	\$227,500		
19	\$45.50	\$21.50	\$24.00	\$240,000		
20	\$47.50	\$22.25	\$25.25	\$252,500		Replace VCT
						RQT Warranty Expires

Notes: Maintenance and cost required for retaining annual appearance:

VCT: \$2.00/Sq. Ft. annual Cost

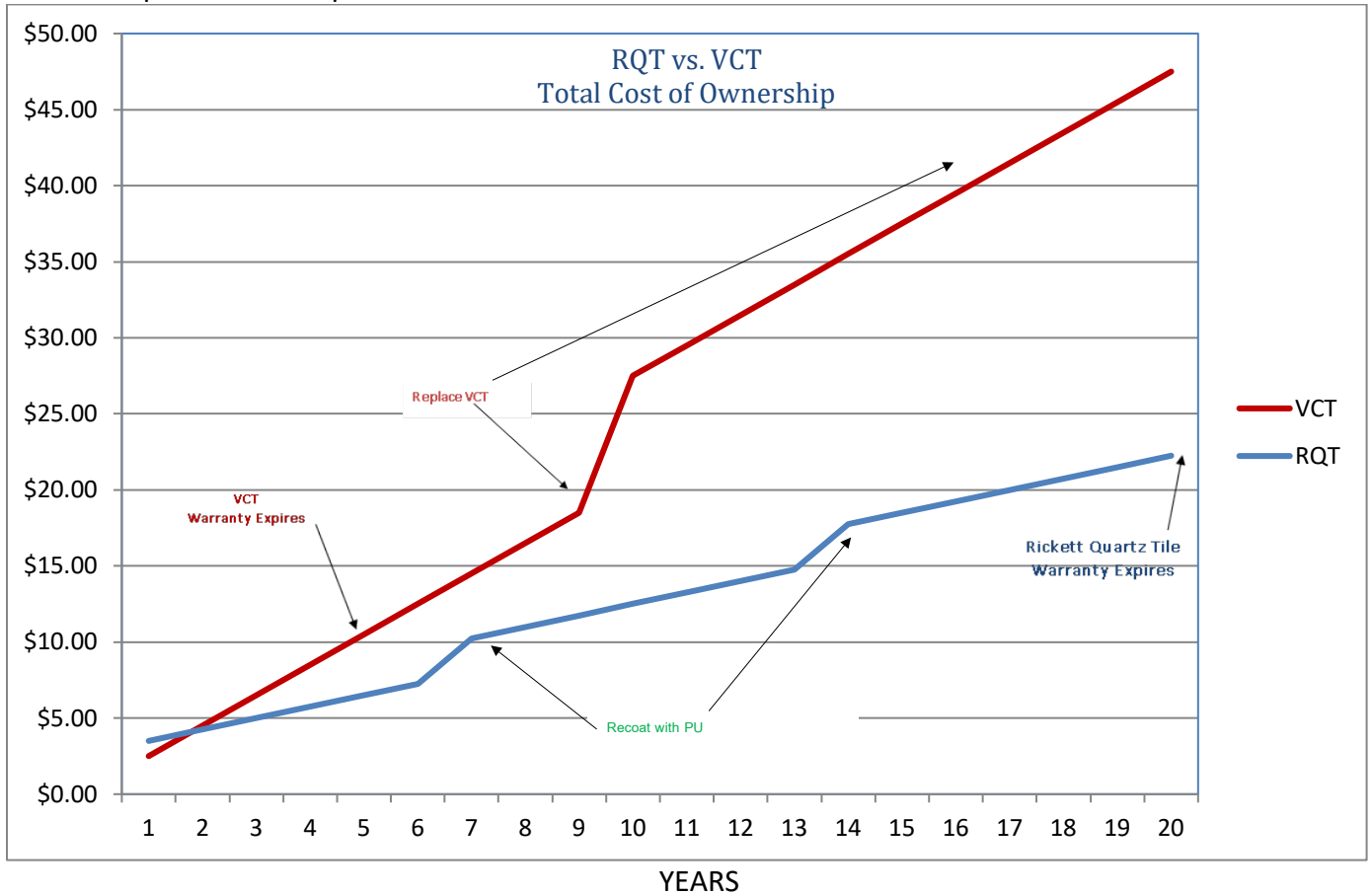
- A. Post installation - sealer, plus 5 - 8 coats of polish
- B. Regular Maintenance: Strip and recoat 2-3 times per year estimated at \$2.00/Sq. Ft. average cost.
- C. Replace VCT after 10 years at \$7.00/Sq. Ft., including removal and disposal, floor prep and a new floor.

RQT: \$0.75/Sq. Ft. annual Cost

- A. Post installation: Scrub with neutral cleaner.
- B. Regular Maintenance: Scrub with neutral cleaner.
- C. Use optional, all-in-one cleaner-maintainer, if desired. \$0.75/Sq. Ft annual cost.

Costs: All maintenance material costs are estimated using manufacturer’s published prices. Labor costs are estimated using average cost data obtained from The Official ISSA 540 Cleaning Times by John Walker (c) 2009. (See Comparison Chart on next page)

Lifetime Sq. Ft. Cost - Graph



Total Cost of Ownership, (TCO)

Total Cost of Materials Installed + Lifetime Maintenance Costs¹ (NPV)

	VCT (20yrs)	RQT (20yrs)
1. Annual maintenance Cost (SF)	\$2.00	\$1.00
2. Lifetime Maintenance ¹ – 20 Years (SF)	\$47.50 ¹	\$22.25 ¹
3. NPV Maintenance – 20 Years @ 3%	\$35.45	\$14.43
4. Total Materials Installed (SF):	\$ 2.50	\$ 3.50
5. Total Cost of Ownership (SF)	\$37.95	\$17.93
6. Savings (SF)	\$0.00	\$20.02
Savings – 10K SF Project	\$0.00	\$200,200.

¹ Lifetime Maintenance (NPV) includes Replacement/Recoat costs – replacement of VCT at 10 years @ \$7.00/SF and polyurethane recoat applications for LVT every 7 years @ 3.00/SF.