



QuantumCure™ VCT Sealant- Technical Data Sheet

Technical Data Sheet- QuantumCure™ VCT Sealant

Product Description

Quantum Cure™ UV-Curable VCT Sealant is a one-part sealant for VCT and other flooring materials that cures instantly when exposed to the proper dosage of UV light. It is 100% solids and produces a tough, elastic film that protects the flooring surface for extended periods of time against wear, stain and water damage.

Materials Properties (Liquid)

<u>Property</u>	<u>Value</u>
Specific Gravity	1.10
Flash Point, Seta Closed Cup, °F	>200
Density, lb/gal.	9.2
VOC, g/L	0
Coverage, sq. ft./gal.	500
Coating Thickness	3-4 mils
Shipping Category	UN-1099, Non-regulated
Gloss Levels	High Gloss and Satin Finish

Materials Properties (Cured Film)

<u>Property</u>	<u>Test Method</u>	<u>Result</u>
<u>Abrasion Resistance</u> , Falling Sand	ASTM D968-05e1	4-10X better than conventional sealant
<u>Stain Resistance</u> Betadine Bleach Tea Nail Polish Remover	ASTM D1308-02	No effect No effect No effect No effect
<u>Solvent Resistance</u> , 200 Acetone Double Rubs	ASTM D5402-06	No effect
<u>Crosshatch Adhesion</u>	ASTM D3359-08	100%- 3 pulls
<u>Coefficient of Friction</u> Dry Wet	ASTM D-2047 James Machine Average of 12 cycles	0.62 0.72

Shelf Life: 18 months after date of manufacture

Storage: Product should be stored at temperatures between 65°F and 95°F. Indoor storage is recommended.

Conditions to avoid:

- Product must not be exposed to sunlight prior to application.
- Product containers should NOT be purged with nitrogen or other inert gases.
- Surfaces must be clean and free from residual wax, dirt, moisture and any silicone products before applying Quantum Cure™ UV-Curable VCT Sealant. Otherwise, repellencies and other defects may result, and coating adhesion may be compromised.