

## 1. Test method

- ANSI Z124.6 - Section 5.2 :  
Stain Resistance

### - TEST PROCEDURE

Two(2) drops of each of the following liquid reagents shall be applied to the surface of Radianz™. Expose the sample for 16 hours ; Covered with glass plate and uncovered.

The stained specimens shall be subjected to cleanability tests immediately and rated at that time.

Each stain, both covered and uncovered, shall be given a number in accordance with the rating procedure given in Table 4.1.

### - PERFORMANCE REQUIREMENT

The maximum stain resistance rating shall be the sum of all the individual stain ratings for each of the covered and uncovered stain areas. The maximum allowable total rating shall be 64.

The maximum allowable thickness of material removed to eliminate the stain shall be 0.012mm.



**TABLE 4.1 – STAIN RATINGS PROCEDURE**

CLEANABILITY TEST	RATING
The specimen shall be washed with tap water and cheesecloth or soft bristle brush using 20 scrub cycles with normal hand pressure and dried by blotting.	1
Stains present after initial wash with water shall be washed with alcohol (commercial rubbing alcohol) or naphthallighting fluid) using cheesecloth or soft bristle brush for 20 cycles using normal hand pressure.	2
Stains present after the aforementioned cleanings shall be scrubbed 20 scrub cycles with standard scouring powder and wet cheesecloth or soft bristle brush using normal hand pressure.	3
Stains present after the aforementioned cleanings shall be scrubbed an additional 40 scrub cycles with standard scouring powder and wet cheesecloth or soft birstle brush using normal hand pressure.	4
The affected area shall be lightly sanded with 600 grit abrasive cloth untill the stain is removed. The depth shall be measured to the nearest 0.025mm.	5

## 2. Test result

**- STAIN RESISTANCE : Pass**

**- REAGENT**

- Black Crayon
- Black Liquid Shoe Polish
- Blue Washable Ink
- Gentian Violet Solution
- Beet Juice
- Grape Juice
- Lipstick
- Hair Dye
- Iodine Solution
- Wet Tea Bag