

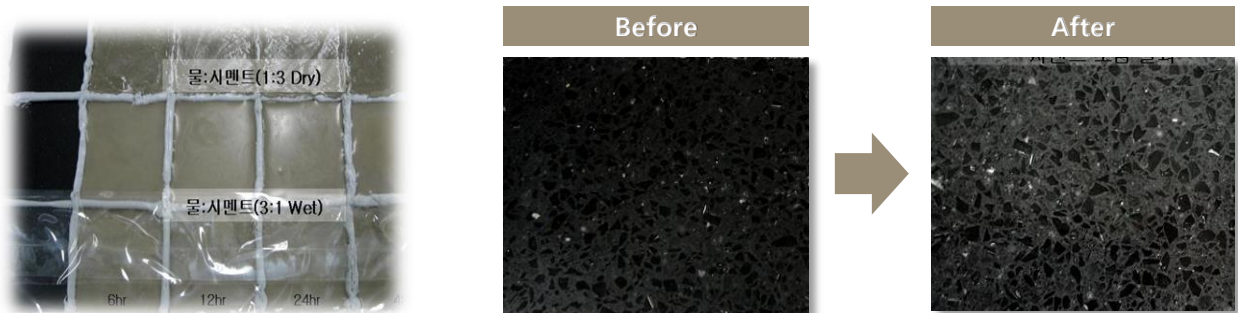
Substance of Radianz®

Material	wt%	Remark
Unsaturated polyester resin	7%	Binder
Quartz	93%	Chip and filler
Colorant and additives	small amount	-

Result of Strong-alkali & Strong-acid Resistance Test

	Reagent	PH	Dry/Wet	Discoloration	
Alkali	Cement : Water = 3 : 1	12.5	Dry	Little	
			Wet	Little	
	Cement : Water = 1 : 3	12	Dry	Little	
			Wet	Little	
		3% NaOH	13	Wet	Little
	Acid	10% HCl	< 1	Wet	Not affect

- * Exposed time : 24hour
- * Dry : Exposure in the air after staining
- * Wet : Covered with plastic film to prevent evaporation



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Conclusion

- Engineered stone may appear discoloration cause by strong alkali.
- The product should be avoided exposure to strong alkali such as cement paste, concrete and so on.
- Alkali resistance of the engineered stone.

PH	Exposed time	Resistance
< 10	< 8 hr	Not affect
> 10	> 8 hr	Discoloration

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