

ZeraDelux™ SL -Granucol

Self-Leveling Multi-Colored Epoxy Quartz Flooring



DESCRIPTION

ZeraDelux™ SL-Granucol is a decorative three-component self-leveling coating system that consists of the 100% solids epoxy coating **ZeraDelux™** in combination with a German based Granucol powder. It is designed to be applied at a thickness of 80 mils (2mm) in a single application to provide a seamless, smooth, multi-colored finish. A clear urethane topcoat, **ZeraTuf™ W-104**, is optional to provide superior scratch and abrasion resistance as well as to produce a matte or satin finish.

A non-slip finish can be achieved with the use of a clear epoxy or polyaspartic acid topcoat in combination with a dry #31 mesh silica sand and backroll in order to encapsulate.

For flooring applications that are subjected to chemicals, **ZeraDelux™ SL-Granucol** can be used in conjunction with a clear chemical resistant epoxy coating which is **ZeraKlear™ CR**.

Primer Choice

Since the **ZeraDelux™ SL-Granucol** coating is semi-transparent, the choice of the primer is very critical. The primer must be able to ensure that the surface is smooth; free of defects, bubbles, craters, and must be uniform in color to hide any surface defects. We recommend using the **ZeraDelux™ Primer** in a color matching the color of the Granucol powder. If the concrete condition is poor (porous) it is advisable to apply the primer twice to ensure no issues with bubbles after the application of **ZeraDelux™ SL-Granucol**.

WHERE TO USE

ZeraDelux™ SL-Granucol is recommended for hotel lobbies, offices, retail shops, shopping malls, art galleries, studios, showrooms, lofts, furniture stores, marine ships, restaurants, night clubs, casinos and basements.

BENEFITS

- Highly attractive, decorative smooth finish.
- Applied at 80 mils (2mm) in a single coat application.
- Easy and rapid installation technique.
- One step versus multi-step by broadcasting technique.
- Lightweight material compared to a standard broadcast quartz system.

HANDLING & CURING PROPERTIES

<u>Resin & Hardener Only:</u>	
Mix Ratio, by volume	2 parts A: 1 part B
Solids Content.....	100 %
Mixed Weight (Density) 1.09 kg/litre (9.1 lb./US gal)	
With Aggregate (Density)1.65 kg/litre (13.8 lb./US gal)	
Pot Life @ 23°C (74°F).....	30 mins
Initial Set @ 23°C (74°F)	8 hours
Light Duty Traffic @ 23°C (74°F)	16 hours
Full Cure @ 23°C (74°F).....	7 days
<u>Data - Cured System 28 days</u>	
Compressive Strength.....	68 MPa (9,860 psi) (ASTM C-579)
Tensile Strength	24 MPa (3,500 psi) (ASTM D-638)
Abrasion Resistance	59-gram loss (ASTM D4060), Wheel C17, 1000 cycles
Water Absorption.....	0.10% (ASTM C413)

SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before applying the **ZeraDelux™ SL-Granucol** system. The substrate must be above 12°C (54°F) and must be free of all dirt, waxes, previously applied coatings, oil, grease, laitance and any foreign matter that may interfere with the bond of the topping to the prepared substrate.

Cracks and surface defects should be repaired prior to the application of the topping. All concrete surfaces to be treated should be shotblasted, or mechanically abraded to provide a clean tooth for adhesion of the topping application. Prime with **ZeraDelux™** Primer prior to the topping application. **ZeraDelux™** SL-Granucol must be applied on a fully dry, clean and levelled surface.

MIXING

Pour all of the liquid from Part B of **ZeraDelux™** clear resin into the pail that contains Part A and mix for approximately one minute (avoid generating bubbles during mixing). Use a large “Jiffy” mixer blade while slowly adding the **Granucol** colored aggregate into the mixed material and make sure all aggregate is blended thoroughly (2 minutes). Ensure that the mixing is carried out perfectly to avoid colour discrepancy from one unit to another.

APPLICATION

Immediately place the mixed material onto the primed surface and spread with a special metal notched squeegee to the 2mm (80 mils) thickness. It is advisable to predetermine the area of the floor beforehand in terms of ensuring each unit would be sufficient to cover the area at 2mm (80 mils thickness). This is to avoid going back and reapplying the notched squeegee which may cause finish defects. Wait 10 minutes then use a metal type spike roller to roll on the surface to eliminate any air bubbles. Continue in this fashion until completed.

Note: Never reapply the notched squeegee after you finish the application to prevent the formation of undesirable line patterns.

Note: If there are large bubbles (craters) that are formed in the **ZeraDelux™** SL-Granucol as a result of outgassing, the proper way to fix this is to remove the edges of the craters and then mix the **ZeraDelux™** SL-Granucol in a small amount and treat these large craters. Let it cure and sand it to a smooth surface. Apply a top coat of either of **ZeraKlear™** or **ZeraTuf W-104™** Clear.

Note: The special metal notched squeegee and the metal type spike roller are both essential for this application. They are both available for purchase at Zeraus.

Please refer to our application video for further assistance: <https://www.youtube.com/watch?v=2mLYoBChvMU>

LIMITATIONS

Do not apply **ZeraDelux™** SL-Granucol if:

- Substrate or ambient temperatures are below 12°C (54°F).
- May discolor slightly upon exposure to direct sunlight; the use of polyaspartic acid would minimize the discoloration for applications but will not altogether eliminate it.
- Not recommended for outdoor application.
- Coving is not available for this system.
- Areas are exposed to thermal shock or high impact.
- Areas are exposed to strong chemicals.

COVERAGE

Complete System Coverage:

28 kg unit is 100 sq. ft. (80 mils/2mm) per unit

PACKAGING

ZeraDelux™ SL-Granucol is packaged in a:

28 kg unit which consists of:

10 L Part A & B

16 kg Granucol

CLEAN UP

Clean all equipment and installation tools immediately with xylene.

STORAGE

Store in a heated warehouse. Storage at temperatures below 4.5°C (40°F) may cause resin to crystallize.

SHELF LIFE

Three years from date of manufacture if kept in original unopened containers under normal heated warehouse conditions.

SAFETY PRECAUTIONS

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions.

WARRANTY

“The recommendations made and the information herein is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Zeraus Products Inc. makes no warranties, expressed or implied, as uses and applications are beyond our control. Zeraus Products Inc. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

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