

**TD.300 - TECHNICAL DATA - HERMETIC™ Neat Floor Orange Peel Finish**

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**Description:**

The following guide is designed to assist the experienced trained and certified installer with the application of an Orange Peel for use on a HERMETIC™ Neat Epoxy Floor. Improper preparation, application or understanding of other important variables may result in job failure and/or personal injury. Orange Peel finish is commonly used as a slightly textured topcoat for industrial floor coating applications which provides a slip resistant, cost-effective finish that helps to hide surface blemishes.

Use over approved epoxy floor coating products only. Although there are multiple product options listed below, generally E100-PT4™ and E100-VR4™ pigmented epoxy is the base coat of epoxy that will receive the orange peel finish. This combination is typical for higher volume areas where a lower priced, competitive bid is required. The specification would include 1 to 2 coats of E100-VB5™ if moisture related issues are present or anticipated, followed by 1 coat of E100-PT4™ or E100-VR4™ applied at a rate of 125 to 150 sq. ft. per gallon. The Orange Peel finish coat is then applied at 375 to 425 sq. ft. per gallon in the same color of E100-PT4™ or E100-VR4™ pigmented epoxy.

**Typical Products Used:**

- E100-PT4™
- E100-VR4™
- E100-PT1™
- E100-UV1™
- E100-VR1™

Note: Orange Peel finish cannot be achieved using the powder pigment for clear 100% solids epoxies as the result will be a grainy, uneven finish.

**Key Features:**

- Finish will break light reflection to hide future surface blemishes.
- Covers imperfections in the previous epoxy coat.
- Increased abrasion and slip resistance.
- Decreases cost as compared to urethane top coats.

**Physical Properties:** See Technical Data Sheet for specific product(s) used in the system.

**Preparation:**

1. Ensure the existing epoxy coating is clean and free of any dust, debris, or contaminants.
2. If the existing epoxy coating has been down for longer than 24 hours, it is recommended to lightly solvent wipe (not flood) the surface with clean, lint free towels and approved solvent. Allow solvent to completely evaporate off and dry before applying the Orange Peel finish.
3. If the existing epoxy coating has been down for longer than 48 hours, it is recommended to lightly sand the surface, followed by a light solvent wipe.

**Application:**

1. The target application rate is 375 to 425 sq. ft. per gallon.
2. Mix only the amount of epoxy that can be applied within a 15-minute time frame. This is to be determined by floor layout, the number of staff, experience level, and available tools and equipment.
3. Once the epoxy is mixed, dip and roll on to surface. DO NOT pour in ribbons/puddles or the finish will not be consistent in texture, thickness, or aesthetics.
4. Apply with a clean, lint free 3/8" nap roller.

For additional information, contact an Elite Crete Systems Technical Representative.