

PRODUCT DATA

PROTOS, INC. EP-631 COLOR QUARTZ

Product Description

Protos EP-631 color quartz epoxy flooring consist of 100% solids two part epoxy resin with graded color quartz silica sand. EP-631 color quartz floors are primarily used in areas where a decorative floor is desired while maintaining an industrial strength coating. EP-631 color quartz is installed 3/16 inch thick over a penetrating liquid epoxy bonding coat to form a decorative, high impact, chemical resistant, monolithic floor coating. EP-631 may be used as a protective coating on new floors or to restore worn, abraded or corroded surfaces.

Protos both manufactures and installs it's own material. With over twenty years of installation experience, we can ensure that your floor will be installed to the proper specifications and highest quality possible. This is why Protos offers some of the best guarantees in the coating business.

Substrate

Protos EP-631 can be installed over a variety of substrates including wood, brick, concrete, quarry tile, and metal.

Proper preparation of substrate is critical to ensure adequate adhesion to the Substrate surface.

- ❑ Concrete must be cured a minimum of 30 days. It will then be shot blasted or etched with hydrochloric acid and washed with a high pressure washer.
- ❑ Metal decks must be etched with phosphoric acid or sand blasted prior to installation of Epoxy flooring.
- ❑ Quarry tile must be sanded or etched with hydrofluoric acid, and washed with a high pressure washer before installing Epoxy coating.

Physical Properties

Tensile Strength.....2,500 psi
(ASTM C-307)

Compressive Strength.....9,500 PSI
(ASTM C-579)

Percent Elongation.....4.5%
(ASTM D-638)

Hardness.....88
(ASTM D2240)

Thermal Coefficient of expansion. 0.0000035
(ASTM E-831) in/in C

Water Absorption..... 0.2%

Heat Deflection Temp.....continuous 180° F

Shock Resistance160 inch lbs.
(ASTM D-1044)

Bond Strength.....350 psi concrete failure
(ACI 503)

Colors.....Gray, Brick Red, Green, Tan, Yellow
Custom colors are available upon request.

Installation Procedure

The installation procedure for EP-631 color quartz is a four step system. A 100% two part epoxy concrete penetrating resin is applied to the substrate on the first step. Next a three part base mortar (consisting of a two part epoxy resin mixed with a graded silica sand), is applied with a trowel. After the base coat has properly cured, a two part epoxy resin is applied and a color quartz silica sand is broadcasted into the surface. After the resin broadcast system has cured the final step of applying the clear epoxy sealer is performed.

USDA APPROVAL : EP-631 has been approved for use in food production Facilities by The United States Department Of Agriculture.