

Seamless Technologies, Inc.

SeamTek® Epoxy Quartz Flooring (Type 3 and Type 4)

Product Data

Description

SeamTek epoxy Quartz Flooring incorporates specifically formulated resin components as the matrix of the quartz systems. In the case of quartz flooring, resin SR-101 and hardener SH 101 are the backbone of the system.

SR 101 is a 100% solids epoxy resin with low VOC and very low odor. SR-101 has been specifically formulated with excellent air release and material flow so as to make it easy to handle. The hardener component is SH-101 which is formulated to enhance air release, provide excellent wear properties and for ease of troweling either in neat form or in combination with color quartz or graded aggregate.

SR-101 has been designed to be used with a variety of hardeners to achieve the desired effect. In the STI Quartz Flooring systems SR-101 is combined with CRH-405 to provide a chemical resistant material superior to other epoxy mixes. CRH-405 yields a seal coat that is uncharacteristically clear for a chemical resistant seal coat hardener. If time is urgent and the job conditions allow, FCH-101 (fast cure hardener) can be used with SR-101 to yield a faster curing material for quick patches and grouts.

Clear epoxy binders are used in a number of mix designs and system offerings such as SeamTek® Type 3 and Type 4 as well as sloping and leveling mortars.

Quartz flooring has historically been utilized in all aspects of Animal Holding Facilities, kitchens, bathrooms and many other applications.

Quartz flooring has good wear properties, and good chemical resistance.

Color

Resins are amber clear. Floor color is provided from the color quartz used in the system.

Packaging

SR-101, SH-101, FCH-101, and CRH-405 are packaged as 5 gallon containers. Quartz is provided in 50 pound bags.

Surface Preparation

Surfaces should be cleaned of oil, grease and dirt. If applied over a smooth, glossy surface, the surface should be grit blasted or ground with a coarse diamond cup to create a surface profile for optimum adhesion. When applying new coatings over previously sealed surfaces, a spot test should be made to check for lifting or incompatibility with the old coating. It is extremely important that this surface is free of all moisture prior to coating application or blistering of flooring may occur.

Application

Binder resins can be applied immediately after mixing. However, thorough mixing of the two components is important. Mechanical mixing is preferred at slow speed to avoid air entrapment. Do not mix quantities greater than you can apply in 20 minutes @ 70° F.

Mix Ratios:

For specific information regarding mix ratios of resins and the spread rates for each step refer to the PDS or Specification for the selected system; either SeamTek Type 3 or SeamTek Type 4.

Difficult to Remove From Skin. Wear gloves and protective clothing. Do not attempt to remove cured coating on skin with solvent; soak in warm, soapy water. Barrier creams are not recommended; where possible wear protective clothing.

Limitations:

All flooring systems should be checked for chemical resistance against the specific chemicals used in your facility to assure their resistance. Quartz floors are hard and rigid and should not be used to bridge moving cracks. The concrete substrate should also be checked for moisture vapor migration to assure the compatibility with the existing conditions. Do not install in situations where the emission rate exceeds 3 pounds per 1000 sq ft per 24 hours (ASTM F 1869).