

Seamless Technologies, Inc.

SeamTek® Clear Epoxy Binder Resin(s) S101

Product Data

Description

S101 is a two part 100% solids epoxy resin with low VOC. S101 has been specifically formulated with excellent air release and material flow so as to make it easy to handle. It is recommended for use as the matrix or body resin in most of our epoxy flooring. The S101 has been developed for its ease of troweling either in neat form or in combination with color quartz or graded aggregate. The viscosity and air release properties allow for the release of air bubbles readily while under normal working conditions of 70 degrees F.

S101 has been designed to be used with a variety of hardeners to achieve the desired effect; all of which incorporate the 2:1 mix ratio, resin to hardener. When combined with SH-101 it forms a durable “workhorse” material used in all STI clear epoxy systems from quartz flooring to slope and fill formulations. By combining it with CRH-405 in lieu of SH101 it forms a chemical resistant material superior to other epoxy mixes. FCH-101 used with S101 yields a faster curing material for quick /low temperature patches.

The combinations described above are routinely 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.

Color

Amber clear.

Packaging

All clear components are packaged as 5 gallon containers.

Limitations

Do not use the clear binders or any of these combinations to bridge moving cracks. Neither SH101 nor FCH101 are intended to be chemical resistant resins so they should not be used as a seal coat material in areas where chemicals are intended for use. They can be used as a seal coat for more industrial applications.

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 405 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 paint film may occur.

Application

Clear binder resins can be applied immediately after mixing; 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 degrees F. This coating may be applied by spreading with a trowel or squeegee followed by back rolling with a 3/16” nap roller. Care must be taken to protect skin and eyes from contact. Check with system specification for environmental temperature and humidity guidelines as well as other quality control parameters.

Note: Although this coating composition is not a fire-retardant product, it will not support combustion and will self-extinguish when the source of fire is removed nor will it support the growth of bacteria.

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.

Mix Ratios:

S101 to SH-101 @ 2:1
S101 to CRH-405 @ 2:1
S101 to FCH-101 @ 2:1

HARMFUL OR FATAL IF SWALLOWED. If swallowed do not induce vomiting. Call physician immediately.

Eye Irritant. Wear eye protection. In case of contact with eyes, flush repeatedly with water and contact a physician.