Is it necessary to seal before using epoxy resin

It is generally advised to seal porous surfaces before using epoxy resin. Epoxy resin is a liquid polymer that hardens into a solid, durable material when cured. It is commonly used for coating and sealing various surfaces such as wood, concrete, and artwork.

Sealing the surface before applying epoxy resin helps to prevent air bubbles and uneven absorption of the resin into the substrate. It helps to create a smooth and consistent base. If the surface is porous, such as raw wood or concrete, it can absorb the epoxy resin, leading to an uneven finish and potentially compromising the strength and durability of the cured epoxy.

There are different ways to seal porous surfaces, depending on the material. For wood, you can use a wood sealer or a thin coat of epoxy resin thinned with a compatible solvent. For concrete, you can use a concrete sealer or a primer specifically designed for use with epoxy resin.

By sealing the surface properly, you create a smooth and consistent base for the epoxy resin application, ensuring a better result and enhancing the overall durability of the finished project. Always follow the manufacturer's instructions and recommendations for surface preparation and sealing before using epoxy resin.