PASSEPORT ELITE™ MC

TROUBLESHOOTING TIPS | Epoxy Support Help Centre

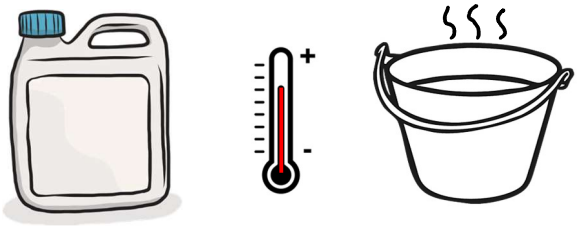
Epoxy Resin Crystallization

Resin crystallization can occur in almost any epoxy resin or curing agent as well as many polyurethane resins. Recognizing the characteristics can help you ensure your material is properly prepared before attempting use.

What to do if your epoxy is discoloured or hard and is it still okay to use?

Occasionally the resin (Part A) can build up crystallization and/or gel, which makes the resin cloudy. Crystallization refers to a change in state that occurs when an epoxy resin or hardener goes from its liquid form to a solid form. Crystals form for a couple of reasons, including contamination or exposure to cold temperatures. Don't worry, there's an easy fix!

You can still use an epoxy resin or hardener that has crystallized, but before doing so, it's important to turn it back into a liquid. Heat crystallized material by placing the closed container into a hot water bath then stir gently to help break up any remaining crystals. Allow the product to cool to room temperature before using.



How to prevent crystallization?

White or crystallized product may form when the resin has frozen during shipping or storage. To prevent crystals from forming, seal lids tightly and store your epoxy in a dry place where the temperature range is 15-25° Celsius (60-78° F). In colder climates be sure to store any product on a raised surface off the floor and not near outside walls or doors.