

August 10, 2023

Technical Memo

DuraShield Polyurethane materials protection

LifeLast's DuraShield 110 Polyurethane part "A" and "B" components are chemically designed to produce a 100% curing reaction when properly mixed. With that stated, this does not allow for outside chemical interference from moisture (water) in the air that could affect materials.

The Activator 9711 (ISO part "A") for the DuraShield 110 is our greatest concern for moisture sensitivity. The Activator 9000 for our DuraShield 210 and 310 are also sensitive and should be protected in the same following ways:

- ❖ It is a LifeLast best practice recommendation to use Nitrogen Gas blanketing or desiccant air-drying gel bead canisters in every case where displacement or breathing is necessary with opened containers. The option of which method to choose is entirely up to the operator/owner, however it is generally considered in our market that the use of Nitrogen is the more-sure way of protecting the liquid.

These two methods would also be considered best practice for use on the Polyol (part "B") containers, although the Polyol is not nearly as sensitive or reactive to the moisture as the ISO.

Please contact LifeLast Technical Service with any questions or concerns you may have.

Regards,



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