

Epoxy VS. Polyaspartic



A question that is commonly asked by individuals who are researching floor coatings is what is the difference between epoxy and polyaspartic? Today, it is especially confusing for individuals because all floor coating companies seem to be saying different things. To ease this confusion, here is a quick breakdown of the strengths of each product.

Epoxy

- **Bonding to concrete:** Epoxies have a strong mechanical bond making them the perfect product to bond to concrete. When installing a coating system, the performance of the floor depends on the binding product. If the floor system does not have an initial strong bond, over time the floor will begin to peel up. Because of this, epoxy has been chosen over and over to be used as the binding material in coating systems worldwide.
- **Build/thickness:** Epoxies can be applied thick at up to 20 mils per coat. This thickness allows for the coating to self-level and fill any blemishes and small cracks the original concrete may have, making it the perfect base coat.

Polyaspartic

- **UV Stability:** Polyaspartics are highly UV resistant whereas epoxies are not. With that being said, when polyaspartic is used as a topcoat over epoxy it is able to protect the epoxy from ultra violet rays.
- **Chemical Resistance:** Polyaspartics are resistant to a wide range of chemicals as well as staining from hot and cold tires. These characteristics allow it to protect the coating underneath.
- **Increased Impact and Abrasion Resistance:** Polyaspartics provide up to four times longer life than uncoated floors due to its high level of resistance to impact and wear.
- **Finishes:** When polyaspartic is used as a topcoat there are a variety of different additives that can be incorporated to increase the durability and safety properties of the coating.

With a variety of advantages from both epoxy and polyaspartic, which is the better product? Each product has unique advantages that compliment each other. Where epoxy exhibits strengths that allow it to be the perfect floor binder, polyaspartic exhibits strengths that allow it to be the ideal topcoat. For these reasons, it is not a matter of which is a better product, but rather a matter of incorporating both in order to achieve a desired result. Here at Brilliant Epoxy Floors we choose to utilize both products in our residential systems mimicking our commercial high performance systems. This guarantees our customers the strongest, most durable floors possible.

We craft floors that perform brilliantly.