

VS EPOXY

Castagra Products Vs Traditional Epoxy Coating Systems

Adhesion	Most epoxies do not stick well. The adhesion rate is typically 50%.	Castagra's adhesion rate is 98% to 100%. It bonds molecularly to cellulosic surfaces such as wood, and natural fibers, including straw.
Flexibility	Most epoxies are not flexible. They tend to crack and flake in heat and cold very quickly allowing moisture, oxygen, and contaminants to reach the base surface.	Castagra is flexible, highly protective and has passed forward and reverse impact tests.
Cost	Most epoxies are expensive. Material costs are high and the application process is difficult.	Castagra is cost effective. It applies easily and the equipment requires no use of potentially contaminating and expensive to dispose of solvents. The overall life cycle costs are much lower.
Performance	Epoxies often show early failure and have a limited lifespan, particularly in harsh industrial and marine conditions.	Castagra's products have a 20-year pedigree in marine and concrete construction applications that demonstrate they vastly outperform epoxies.
Application Speed	Epoxy coatings takes about twice as much effort to apply to cover a particular surface.	Castagra applies in half the time. This is due the fast cure rates and the minimal surface preparation requirements. Our products do not slide on vertical surfaces due to fast set up times.
Environment	Most epoxies are toxic and petrochemical based. Clean up requires hazardous solvents such as acetone.	Castagra does not use solvents either in its composition, application or equipment clean-up whatsoever. The products are non-toxic and made from Castor oil and gypsum, including recycled gypsum. Coatings are applied using a 100% Solvent free spray system.

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