Kynar 500® Paint Finishes
Warranty Summary & Life Expectancy

While Linetec and it's paint suppliers warrant 50% Kynar 500®/Hylar 5000® finishes for up to10 years and 70% Kynar 500/Hylar 5000 finishes for up to 20 years, many more years of service life should be expected. Paint finishes are tested in the most extreme conditions possible for adhesion, gloss, chalk and fade (the primary things warranted in a paint finish.) The standard testing grounds are in south Florida where the sun, salt air and humidity are the most extreme in the country.

The warranties have a margin of error built into them to insure the warranty will cover the finish performance over the specific warranty time span.

The following are explanations of what is covered in the warranty and what they mean:

Adhesion: If adhesion is going to fail, it will typically fail in the first year of its service life and the warranty will cover the issue. If the adhesion is ok from the start, it will rarely fail during the service life of the finish. Kynar 500/Hylar 5000 finishes have been on buildings since the early 70's and still have perfect adhesion.

Gloss: Gloss is the reflectance of the painted finish and is measured on a scale from 0-100 units. Zero gloss is completely flat, absorbing all light, while 100 gloss reflects all light back. All painted finishes will lose gloss over time but some will lose faster than others. Kynar/Hylar resin is extremely resistant to loss of gloss but also will lose gloss over time, primarily caused by intense UV radiation. Typical Kynar 500/Hylar 5000 finishes have a gloss of 20-40. When gloss is lost, the gloss number will always go down and because the gloss is typically low initially, loss of gloss is not real significant over time.

Chalk: Chalk is a breakdown (typically caused by intense UV rays) of the resin system (the primary constituent) of the paint itself. 50% Kynar 500/Hylar 5000 refers to the percentage of Kynar/Hylar in the resin system (I.e.: 50% of the resin system is Kynar/Hylar resin) and 70% Kynar 500/Hylar 5000 refers to the percentage of Kynar/Hylar in the resin system (I.e.: 70% of the resin system is Kynar/Hylar resin). Kynar/Hylar are one of the best known resins to resist chalking. view comparison chart.

Fade: The leaching or oxidizing of pigment is known as fade. Like chalking, fading is also caused by intense UV radiation. All pigments will fade over time but the degree to which they fade depends on several properties. Typically inorganic pigments are the most stable and will fade the slowest while instable organic pigments can fade quite rapidly. Typically only inorganic pigments are used in Kynar/Hylar paints but occasionally organic pigments are required particularly when bright, vibrant colors are desired. These pigments are always the most stable form of organic pigments but are still less stable than inorganic pigments. To combat the greater susceptibility to fading in these less stable pigments, a clear-coat is used over the topcoat to minimize UV exposure. view comparison chart.

Unless a particular project is in an extreme environment, one should expect a Kynar 500/Hylar 5000 paint finish to last several years beyond, and in some cases multiples of, the warranty period.

Linetec does not have control over maintenance, location, use, etc. of our paint finishes and for that reason, can not issue warranties beyond a guaranteed service-life timeframe in the most extreme environments within the United States.

In order to maintain the original beauty, even these highly durable finishes need to be cleaned occasionally. When selecting a cleaning solution use mild soap solutions, avoid using strong acid or alkali cleaners as they may damage the finish. Linetec's complete care and maintenance guide.

For more information on Linetec and our services visit www.linetec.com.
For a sample of Linetec's standard ten year warranty visit Linetec's warranty page.

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