

COV-950-200 Product Q&A

Q: The storage validity period stated in the original factory specification sheet is: unopened, it can be stored in the warehouse for 2 years, or the validity period of the coating solution opened (not sealed during use, it will come into contact with air) is 2 years.

According to the documents provided by the original manufacturer, it is only clearly stated that the storage validity period is 2 years, but the usage validity period is not given. Could you please ask again how long the original manufacturer recommends the valid usage period?

A: The packaged product in 1oz and 2oz bottles can be used until the expiration date listed on the bottle. Basically, a material must be used by the expiration date on the packaging.

Q: If the uncured optical fiber coating liquid is exposed to the air for a long time (for example, 1 month or 6 months) at a temperature of $23\pm 5^{\circ}\text{C}$ and a humidity below 70%, will the curing process of the coating liquid and its performance after curing change?

A: To clarify, what do you mean by exposed to air, are you leaving the cap off the bottle in between use? The material should be stored away from light, sealed, at room temperature between 15 and 30°C , so your $23\pm 5^{\circ}\text{C}$ is perfect, and below 70% is good, ideally 50-60% is best.

Q: What factors in the environment can affect the curing of optical fiber coating liquid? For example, whether water vapor, oxygen and other substances in the air will affect the curing of the glue.

A: The coating process is mostly dependent on coating viscosity. Extremely high humidity may have some impact. Most draw tower facilities are in an acceptable environment. The draw speed, coating temperature (determines application viscosity), coating die pressure, UV lamp intensity, and fiber centering all must be optimized for an in-spec result. The glass fiber must remain clean and particle free prior to the coating application. A clean environment is critical for contaminant free coated fiber. Some towers run Hepa filter to ensure that no particles attach to the bare fiber. In summary a clean environment and good coating temperature and pressure control are critical.

中国大陆代理商

深圳市谱兆通讯设备有限公司

Tel: +86-755-8665-5448; +86-755-8665-5579; Email: info@pztest.com Website: www.pztest.com