More than 50 years projected archival life for DVD-RW

This statement refers to Verbatim's DVD-RW media. MCC/Verbatim MCC/Verbatim DVD-RW consists Super Eutectic Recording layer (SERL) which is a revolutionary phase change optical recording layer. The SERL layer enables this media to enjoy excellent archival stability as well as, high-speed recording, noise-free writing erasing and re-writing, and high thermal stability in the recording layer.

In addition, Verbatim's AL-Alloy reflective layer is especially designed for best performance and longevity in combination with SERL, whilst our special UV-cured coating and polycarbonate adds to the durability.
Due to these superior features an archival lifetime of more than 50 years is projected.

Test Method:

1. Record data at normal office environment and measure PI Error Rate.
   PI Error Rate is specified as below 280 in the specifications.

2. Put media into a climate controlled environment which is set to the following conditions:

	Temperature	Humidity
Oven 1	80 degree	85% RH

   Take the media out of the oven at defined intervals and measure PI error.

3. When PI Error exceeds 280, that time is defined as the end of life at that temperature.

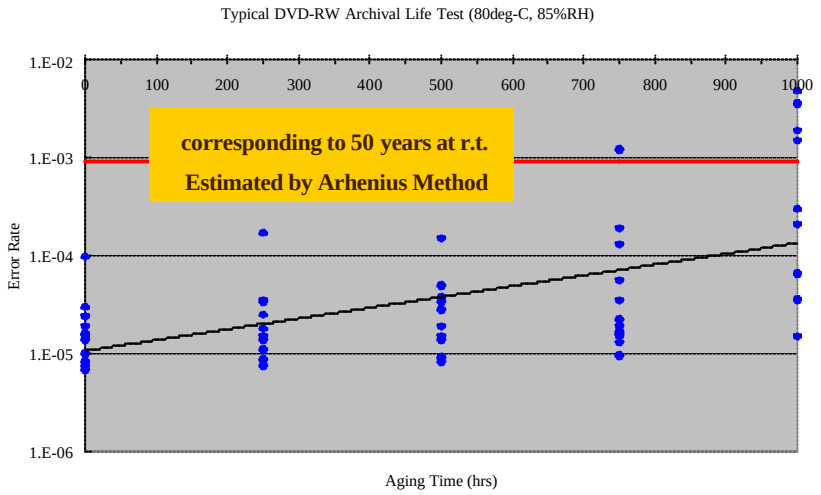
4. Apply "Arhenius" method to project life at the office environment

Gelöscht: *Mitsubishi Chemical Corporation*

DataLifePlus®

Test Result:

As shown below, the projected lifetime at 25 degree is more than 100 years..



Conclusion:

MCC/Verbatim projects the archival life of its DVD-RW as 50 years.

The following conditions need to be applied to ensure the projected lifetime:

- A writer with normal performance records data.
- There is no corrosive gas in the air.
- There are no scratches or fingerprints on the media surface.
- Temperature is controlled within 25 +/- 2 degrees.
- Humidity is controlled within 55 +/- 5 RH%.
- Media is stored in the jewel case.
- Media is not exposed to direct sunlight or any other source of UV light.

Gelöscht: *Mitsubishi Chemical Corporation*