

May 04, 1998

## Storage Temperature for ARCOR™ Products

- Product storage temperatures can vary depending upon specific chemistry of a given product and approximate shelf life desired.
- In general we recommend 65°F to 95°F for optimum shelf-life of our products, generally 4 years..
- We do not recommend storage for any period of time above 110°F. The Amines used in the Activators are not stable above 110°F.
- We do not recommend storage below 40°F for any period of time because the epoxies in the Base begin to crystallize.
- At 55°F to 65°F we recommend a 3 year shelf-life for most products.
- At 50°F to 55°F we recommend a two year shelf-life as indicated on our labels.
- At 40°F to 50°F we recommend short duration exposure(days) for our higher functionality products such as S-30 & S-30 Prime. For products such as TS-RB a one year shelf-life would be expected.

Ken Fowler, Technical Director

**To:** Ken Fowler  
**From:** George Spires  
**Date:** Thursday, April 30, 1998

**Storage Temperature**  
**for**  
**Arcor Products**

There are discrepancies in the various Arcor documents that address this topic.

- Denise's 12/16/97 letter to Millstone warehouse's Mike Sawaryn indicates:

"All our products must be stored between 65°F to 95°F".
- The 1/98 Data Sheets for S-30 and TS-RB as well as Rev. 3/4/97 of "Specification for General Coating Application", Section 2.2.2 indicate these products have three year shelf lives at 55°F to 95°F.
- Expiration Date on the products shipped to Millstone indicate a two year Shelf Life. The label affixed to the container covers we receive states in part:

"Recommended Storage:Coating materials shall be stored...in a well ventilated area with minimum ambient temperature of 50°F..."
- The Millstone specification under which Arcor is purchased, SP-M2-M3-036, requires a site material storage range of 40-140°F.

If appropriate, please submit a letter commenting on the above and, in particular, indicating if the specified range of 40-140°F suitable though requiring a less long shelf life. For instance, you might agree that the 40-140°F range was allowable with the understanding that the corresponding shelf life could not exceed "X" months.

Your prompt response would be very much appreciated.