

## TECHNICAL DATA SHEET

# 50 Retarder

For Polyaspartic Series

### PRODUCT DESCRIPTION

50 Retarder is a unique blend of proprietary ingredients designed to increase the pot-life of our polyaspartic systems. The unique blend will increase the pot-life, but keep the final dry time the same.

### ADVANTAGES

- Increase pot-life
- Dry time stays the same
- Easy to Mix
- Pourable

### TYPICAL USES

50 Retarder is primarily used as a pot-life extender for our polyaspartic coating systems. When used properly, it will increase the pot-life during application.

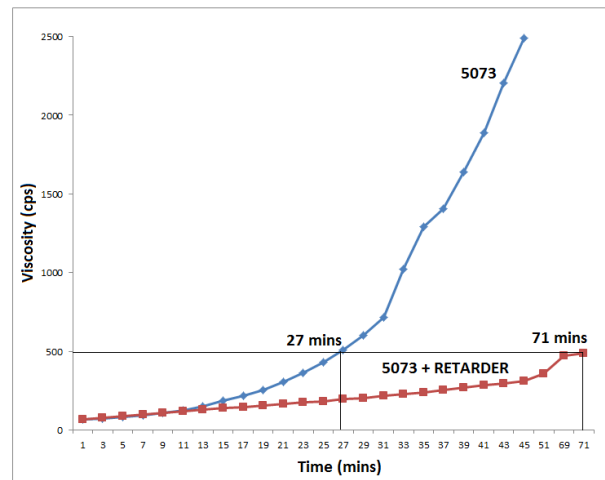
### INSTRUCTIONS

Pour 50 Retarder into A-Comp side. Mix for 3-5 minutes at low speed. Do not add the retarder after the A-Comp and B-Comp have been mixed. It must be incorporated into the A-Comp prior to mixing the system together.

### PROPERTIES

<b>Color</b>	Clear
<b>Volumetric Solids</b>	19.71%
<b>Weight Solids</b>	16.00%
<b>VOC (Volatile Organic Compounds)</b>	0g/L
<b>Specific Gravity</b>	1.293 g/cm <sup>3</sup>
<b>Flashpoint</b>	104°F

### CASE STUDY



### **Case Study Conditions:**

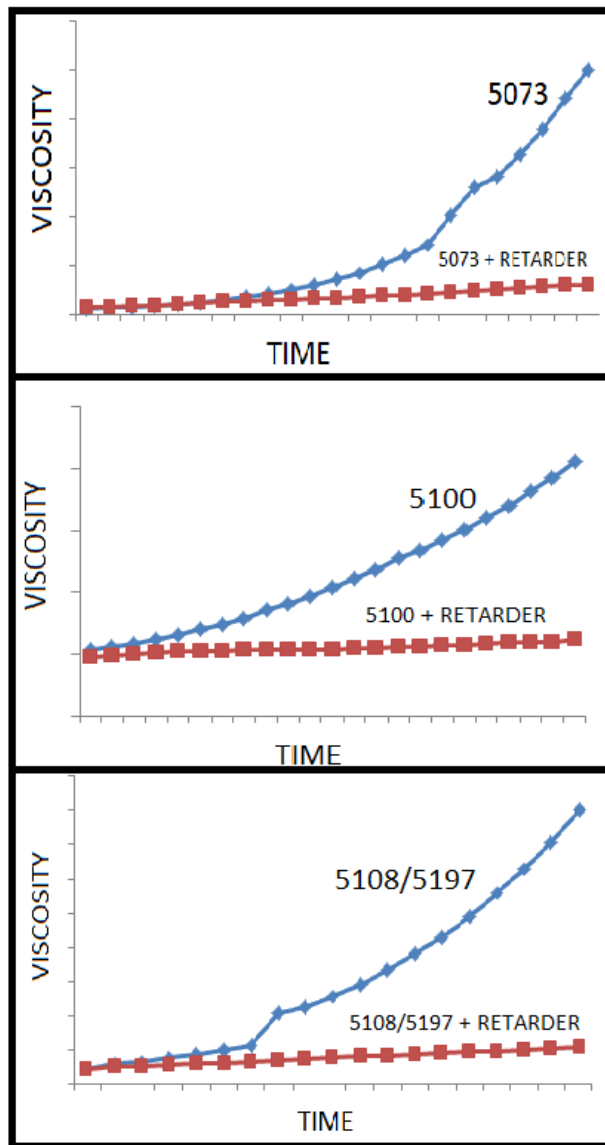
Temperature:	88°F (31°C)
Relative Humidity:	70%
Equipment:	Brookfield Viscometer

### **Results:**

Typically, hot and humid days are not the most favorable for Polyaspartic systems. High temperature and high humidity will speed up the cure of Polyaspartic systems, which in turn will decrease pot-life. To remedy this, 50 Retarder was developed to increase the pot-life by keeping the viscosity low while the material is in the can.

Product	Time to 500 cps
<b>5073</b>	27 mins
<b>5073 + 50 Retarder</b>	71 mins

The time it took for the viscosity to reach 500 cps was dramatically improved, even under high temperature and high humidity conditions. This does not mean the pot-life of the system was improved by the same magnitude, but does indicate the retardation of the cure profile via viscosity vs time study. Typically, by use of the 50 Retarder, pot-life can be improved by 50-70%.



### **DISCLAIMER**

All information provided in this technical data sheet is based on laboratory data. It is the responsibility of the customer to test the material for their application and conditions prior to using the product.

**Contact Versatile Building Products for any questions on application information.**

### **WARRANTY**

1 year warranty is made in lieu of all other warranties, either expressed or implied. If product is not used for its original purpose, all warranties are null and voided.

### **SPECIAL NOTES:**

50 Retarder is intended for only Versatile Building Products' Polyaspartic Systems. It is highly recommended not to use with any other system outside of Versatile Building Products' Polyaspartic Systems.

**Safety Data Sheets and Technical Data Sheets available via [WWW.GARAGECOATINGS.COM](http://WWW.GARAGECOATINGS.COM)**

### **SAFETY**

CONTAINS SOLVENTS!  
PROPER VENTILATION SHOULD BE USED AT ALL TIMES.  
VAPORS CAN BE DANGEROUS.  
DO NOT USE IN ENCLOSED AREAS WITH NO WINDOWS OR DOORS.  
TURN OFF ANY PILOT LIGHTS AND ANY SOURCES OF IGNITION.  
DO NOT SMOKE ANYWHERE AROUND THE COATING DURING APPLICATION AND CURE.