



# Technical Data Sheet

## Construction Chemicals

### SYAD™ 40

#### Set Retarding Water Reducing Admixture

##### General Description

Ritek's SYAD™ 40 is a set retarding water reducing multi-component admixture for concrete. It is designed to facilitate the placing and finishing of concrete while providing control over the set time. SYAD 40 improves pumpability of concrete and is especially beneficial during hot weather concreting operations when control of setting time and maintenance of placeable consistency are essential. SYAD 40 provides superior finishability on all flatwork and pre-cast surfaces.

##### Features/Advantages

SYAD 40 provides variable control of setting time based on dosage rate and improves quality of concrete by decreasing water-cement ratio while maintaining slump life during extended mixing times. SYAD 40 increases compressive and flexural strengths. SYAD 40 reduces cracking, shrinkage, surface bleeding and segregation. SYAD 40 resists damage caused by freezing and thawing and aids in preventing cold joints and reduces thermal cracking in mass pour concrete.

##### How to Use / Dosage

Dosage: Rates will vary depending on the materials used, ambient conditions and the requirements of a specific project.

For best results, add SYAD 40 to the water and aggregate mix at between 0.5-6 fl. oz of 100 lbs. of cementitious materials. Due to variations in concrete materials, job site conditions and applications, dosages outside of the recommended range may be required. In such cases, contact your local Ritek's Construction Chemical Representative.

Note: SYAD 40 does not contain calcium chloride or any chloride-based components and is non-corrosive to reinforced, galvanized floor/roof systems or prestressing steel.

##### Conforms to:

- ASTM C 494 Type B and D

##### Packaging/Storage

5 gallon pail • 55 gallon drum  
Totes • Bulk deliveries

Store between 32° F & 100° F. Product should be used within 12 months of delivery.

##### Health and Environmental Data

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

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