

## Silquest\* A-1110

### Description

Silquest A-1110 silane, a primary amino silane, is a candidate for use as an adhesion promoter in silane modified urethane (SPUR\* prepolymer), filled silicone, epoxy and 2 part urethane adhesives and sealants.

### Key Features and Typical Benefits

Adhesion promotion with Silquest A-1110 silane

- Silquest A-1110 silane can be utilized in two part epoxy based systems to enhance wet adhesion. Its primary amino functionality will also act as a hardening agent.
- Silquest A-1110 silane can be utilized on the polyol side of a 2 part urethane adhesive or sealant to enhance wet adhesion. Silquest A-1110 silane may provide exceptional adhesion to many plastics. The use of Silquest A-1110 silane as an adhesion promoter in sealants and adhesives using silane modified urethanes (prepared using Momentive Performance Materials SPUR\* prepolymer technology) provided exceptional adhesion to PVC, ABS, Polystyrene, and Nylon, in addition to the traditional improvements in wet adhesion to glass and various metals.

### Typical Physical Properties

Appearance	Light straw
Molecular Weight	179
Specific Gravity at 25/25°C	1.014
Flash Point, Tag Closed Cup, °C (°F)	82 (180)
Boiling Point, °C (°F)	210 (410)

### Chemical Structure

The silicon-containing portion of the molecule can help provide strong bonding to substrates. The primary amine function reacts with a wide array of thermoset, thermoplastic and elastomeric materials. Silquest A-1110 silane has the following structural formula:



### **Patent Status**

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Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

### **Contact Information**

For product prices, availability, or order placement, contact our customer service at [Momentive.com/CustomerService/](http://Momentive.com/CustomerService/)

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

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