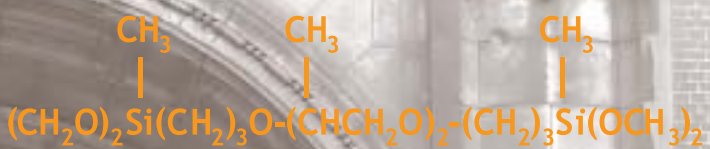
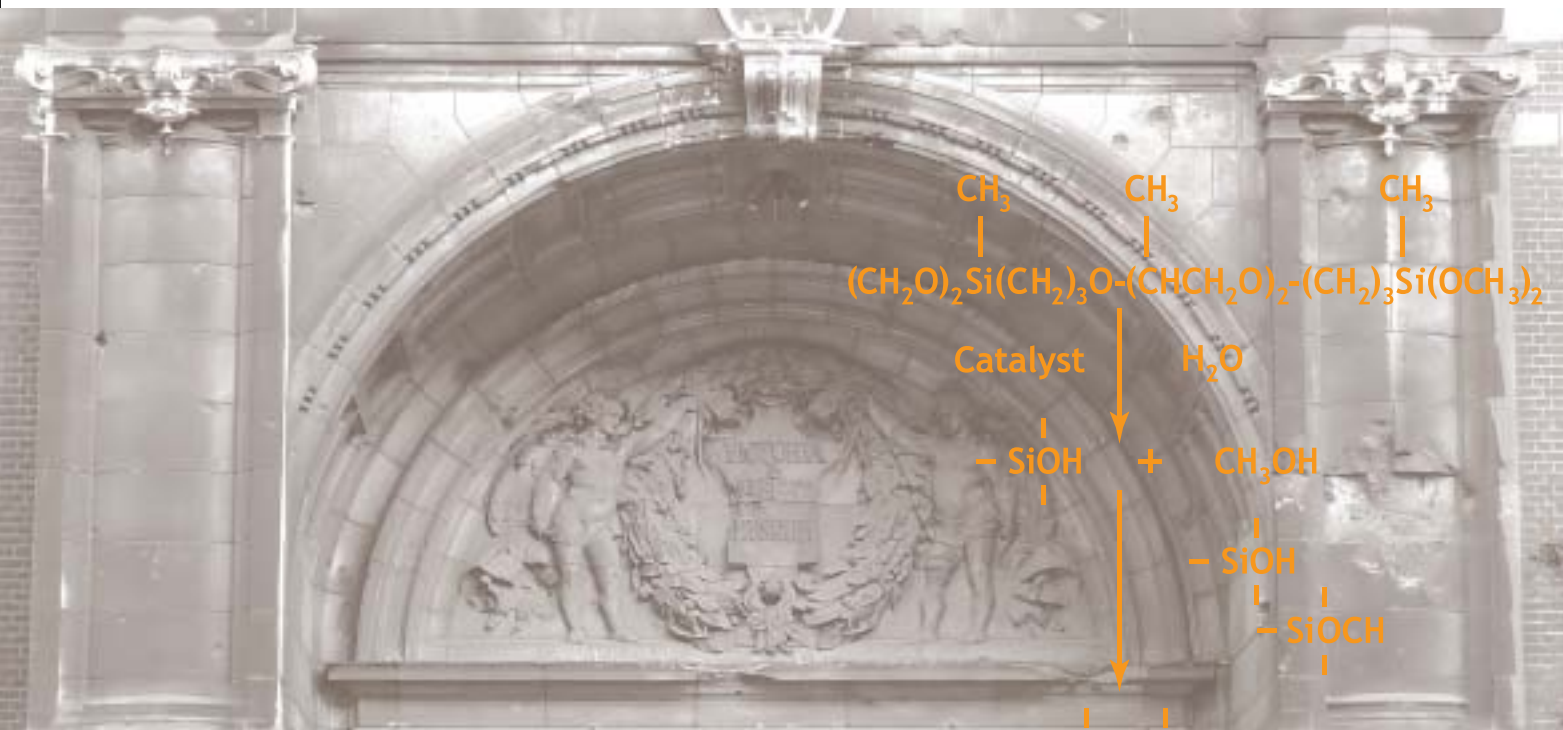
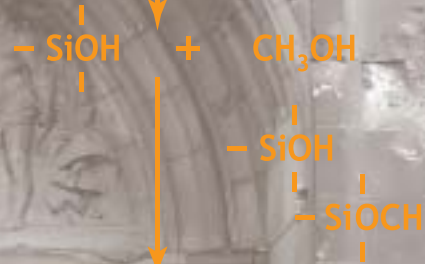


# Sonolastic® 150 VLM

*HYBRID* Technology



Catalyst      H<sub>2</sub>O



Crosslinked Structure



The Chemical Company

THE PREFERRED RESTORATION SEALANT



## Sonolastic® 150 VLM HYBRID Sealant

# the sealant preferred by restoration

### The Original HYBRID

Originally developed and introduced under the Sonneborn® brand in 1998, Sonolastic® 150 VLM holds the prestigious title of being the first true *HYBRID* Joint Sealant to gain prominence in the North American commercial construction market.

With an ability to accept significant thermal movement, a surface that readily accepts acrylic coatings and an inherent ability to bond to plastics, metals, and existing sealant residues, Sonolastic® 150 VLM is truly the "Preferred Sealant" of restoration professionals.

### Long term high performance – Specifiers prefer it

Since its global introduction 20 years ago domestic introduction and 10 years ago its success has spawned many imitators. The unique properties of Sonolastic® 150 VLM have proven over time that it has the adhesion, flexibility, compatibility with coatings and durability needed to provide a long-term watertight seal you can depend on.

### Easy to use – Contractors prefer it

The high performance of Sonolastic® 150 VLM combined with ease of application helps maximize profits, reduces contractor callbacks and creates showcase projects that speak for themselves. It's the ideal sealant for your restoration tool kit.

### Sustainable restoration– Building owners prefer it

The superior weather resistance, adhesion to a wide range of materials and extended life cycle of Sonolastic® 150 VLM make it essential for sustainable repairs and long term integrity.

### Sonolastic® 150 VLM

A unique high performance, one-component, non-sag sealant with excellent movement capability and excellent unprimed adhesion to non-porous materials. The combination of movement capability and rapid paintability make this the ideal sealant for restoration and anywhere coatings are used in combination with sealants.

### Sonolastic® 150 Tintbase

A multi-component, non-sag, high performance sealant, Sonolastic 150 Tintbase combines excellent movement capability with the availability of 470 colors to match any substrate. It's easy to mix, gun and tool, and can be painted as soon as it skins resulting in faster turnaround on time-sensitive projects.



### A wide range of applications

- Expansion and construction joints in precast concrete panels and in-situ concrete
- Brick and masonry joints
- Cladding and metal curtain wall joints
- Marble, granite and GFRC facade joints
- Glass, metal and plastics
- Siding, door and window perimeters



# professionals

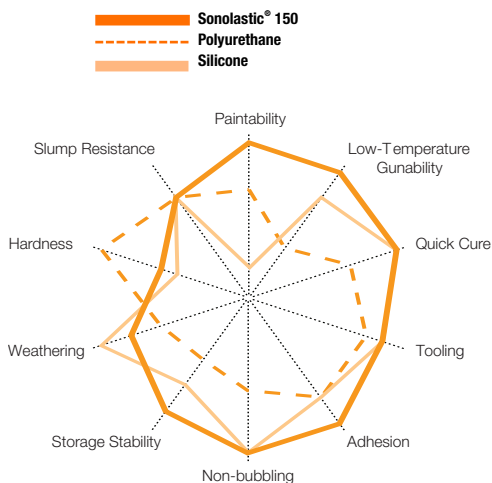
## HYBRID Technology: the best of silicone and polyurethane

Sonolastic® 150 VLM combines the best properties of polyurethane and silicone sealants. This unique *HYBRID* chemistry was specifically chosen for its high performance characteristics such as movement, adhesion, paintability and bonding.

### Solvent-free = environmentally safe

Sonolastic® 150 VLM meets federal AIM/VOC regulations with a VOC content next to zero. With little or no detectible odor, it is ideal for interior work for LEED projects.

Construction Sealant Performance Comparison



## Engineered to stick

### Superior long term adhesion to a wider range of substrates

With a low modulus and superior adhesion, Sonolastic® 150 VLM sticks better to more types of substrates including mortar, stone, metals and plastics. Its high solids content eliminates shrinkage and it will not separate from the substrate even after years of weathering.

## Designed to last

### Weather resistance and durability

Sonolastic® 150 VLM has superb durability and resists cracking, splitting, discoloration and adhesion failure from expansion and contraction of building joints.

## Built for handling

### Easy application means more successful results

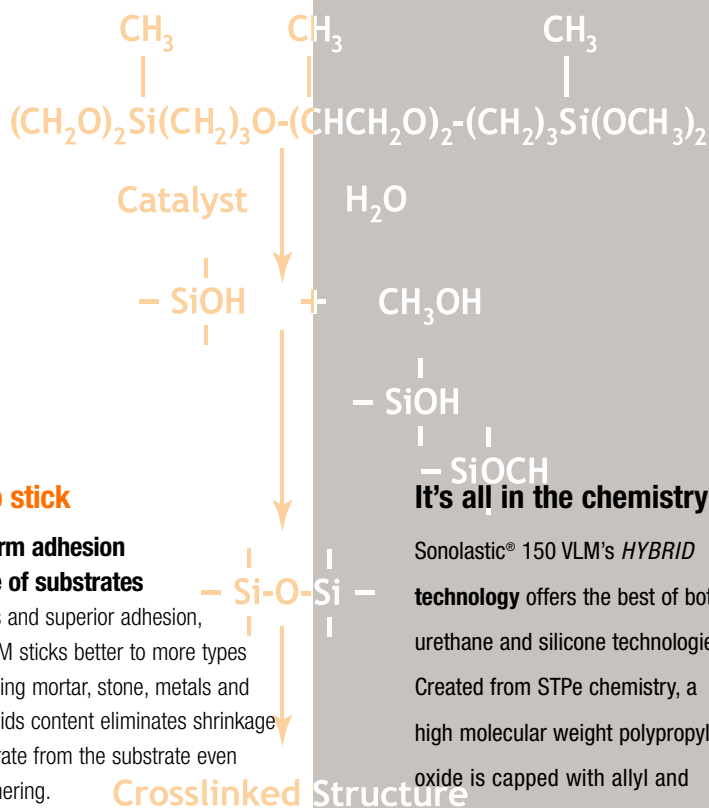
Sonolastic® 150 VLM is easy to work and tool, making application amazingly simple. The result: neater beads and joints, thereby improving the aesthetics of your project.

### Low temperature gunnability

Sonolastic® 150 is less dependent on temperature changes than most sealants, producing easy and consistent gunnability and less fatigue during the application process.

### Enhanced Aesthetics

The superior paintability and non-staining characteristics of Sonolastic® 150 VLM improve building aesthetics. You can easily match any color through either custom tints or choose from our full line of standard colors. Anyway you look at it, buildings look great longer.



## It's all in the chemistry!

Sonolastic® 150 VLM's *HYBRID* technology offers the best of both urethane and silicone technologies. Created from STPe chemistry, a high molecular weight polypropylene oxide is capped with allyl and hydrosilylated producing a methyltrimethoxysilyl end-capped polyether. The polyether chain imparts **good storage stability** and **durability** while methyltrimethoxysilyl functional groups offer high reactivity. Unlike polyurethanes, aminosilanes can be used to provide **superior adhesion** to a variety of substrates. During cure, methoxysilane functional groups react with moisture liberating methanol producing silanol groups. These silanols further react with other silanols or methoxysilanes producing siloxane linkages. The curing mechanism is illustrated above. Though siloxane linkages are produced, Sonolastic® 150 VLM's main chain is polyether which, unlike silicone sealants, provides **superior paintability**.



# BASF Construction Chemicals Restoration Solutions



BASF is the world's leading chemical company, respected worldwide as a company deeply committed to helping make products better.

Finding intelligent solutions through chemistry is what we do... helping our customers to be more successful, forming the best team in the industry, and ensuring sustainable development is what we're about.

Helping make products better. It's what guides our research and manufacturing, strengthens our ties to communities and customers around the globe.

## **BASF Construction Chemicals, LLC – Building Systems**

889 Valley Park Drive  
Shakopee, MN 55379  
[www.BuildingSystems.BASF.com](http://www.BuildingSystems.BASF.com)

**Customer Service** 800-433-9517  
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