

professionals

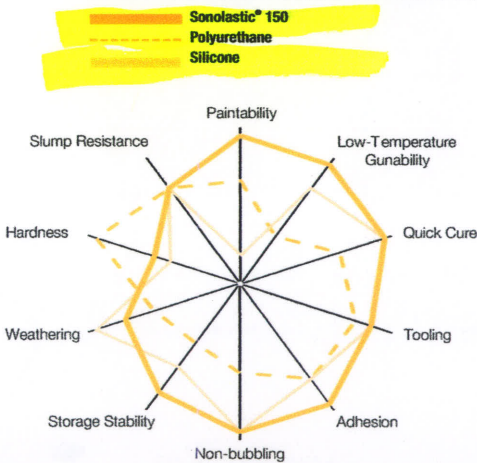
HYBRID Technology: the best of silicone and polyurethane

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

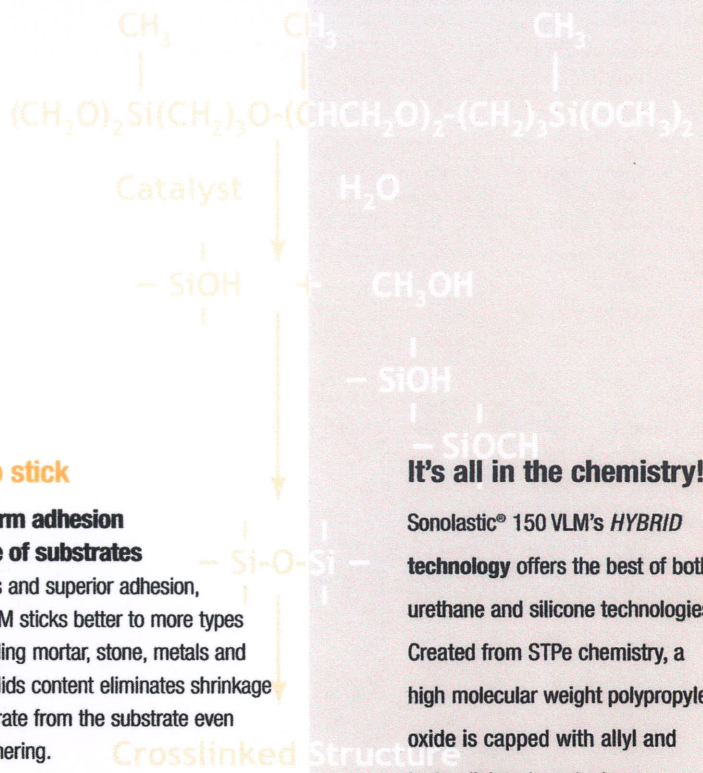
Sonolastic® 150 VLM is easy to work and tool, making application amazingly simple. The result: neater beads and joints, thereby improving the aesthetics of your project.

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**.