



# Silencure™ Penetrating Cure & Seals:



1 Technology +  
4 Products =  
5 Big Benefits!

U.S. Patent 7402623

# They're Time Machines!



Silencure products compress the process of using a traditional concrete cure followed by a penetrating silane sealer down to a single day!

Traditional methods of curing concrete and treating with a penetrating silane water repellent are:

1. Costly wet cure for up to 7 days followed by application of a penetrating water repellent, or
2. Apply a curing compound and wait 28 days while concrete cures, remove curing compound with high pressure water and wait a day to dry, then apply penetrating silane water repellent.

**Silencure products cure and protect concrete in a safe, simple one step process:**

1. Apply Silencure product within two hours of final finish and walk away...you're done!

# They're Employee Multipliers!

Silencure products free up your employees to do more jobs...it's like getting more workers without paying for them!

Silencure products eliminate the labor costs of mobilizing a crew to perform the multiple steps of traditional curing and sealing.



# They're Reputation Polishers!

Silencure products help reduce reputation-busting (and expensive) call backs!

Newly-installed concrete is fully cured and better protected during its critical first winter, prior to achieving full maturity, strength and durability. Call backs cost time, money and reputation. Silencure products save all three.





# They're Safety Tools!

Use of Silencure DOT means fewer traffic exposures for highway workers, and fewer lane closures for the traveling public.

# They're Money Savers!

Silencure products save money on residential, commercial and highway construction projects. Less labor, less time, fewer call backs, less traffic control costs...more money in your pocket.

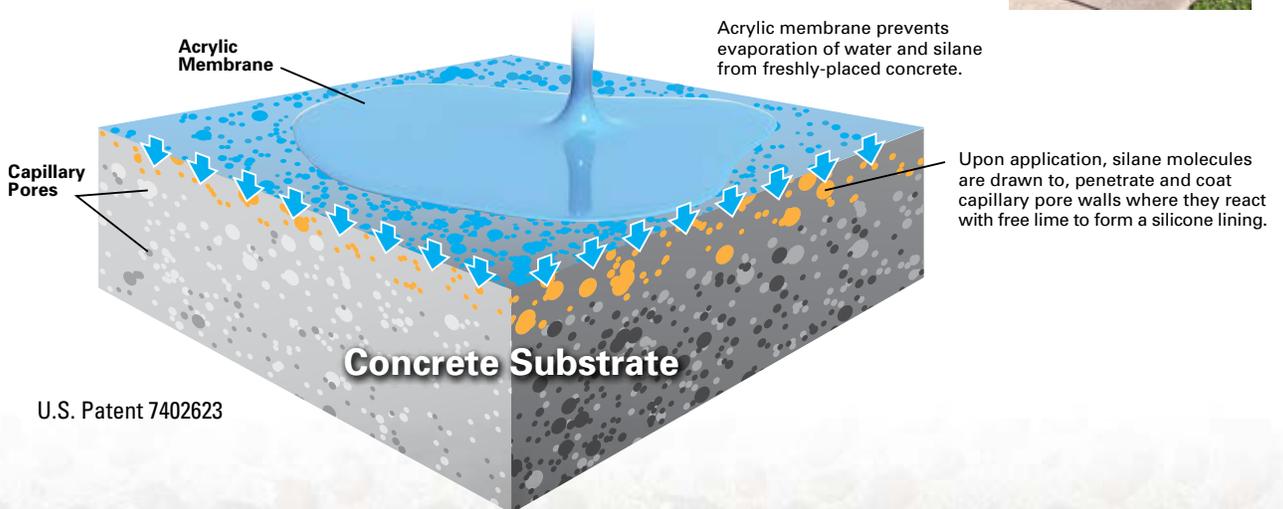


## What Silencure Does for Your Concrete

Silencure products represent an advanced patented hybridized technology, combining the curing efficiency of traditional film forming cures along with the long-term protection from damage caused by freeze/thaw cycling, chloride ion absorption and deicing chemicals... all in a single application at the time of concrete placement.

High performance pure acrylic resin promotes the complete hydration of freshly placed concrete to achieve its full design strength and durability, meeting the curing efficiency specifications of ASTM C 309. Penetrating silane reacts within the concrete to create long-lasting protection against the ravages of water, deicing chemicals and chloride ion absorption on concrete and rebar. Meets most state DOT performance specifications for NCHRP 244, Series II and Series IV.

The Silencure family of products save time and money while maximizing the quality, durability and protection of concrete in ways that no other single product can.



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# The Silencure Family of Products



## Silencure™

Introduced in 2003, Silencure is the original in our family of penetrating cure & seals. Silencure was developed to overcome the traditional time and cost associated with curing newly installed broom finished concrete, then treating with penetrating silane. Silencure technology made penetrating treatments accessible to many DOT, commercial and residential projects demanding high performance curing efficiency and long-term protection, but unable to afford the additional costs of a three-step application or devote a month to the process.

Specifications: ASTM C 309, Type 1 or 1D, Class A & B; NCHRP 244, Series II and Series IV



## Silencure™ A

When the Ozone Transport Commission (OTC) states enacted new, lower VOC regulations in 2005, ChemMasters responded with Silencure A; the low-VOC version of the popular Silencure penetrating cure & seal.

Specifications: ASTM C 309, Type 1 or 1D, Class A & B; NCHRP 244, Series II and Series IV



## Silencure™ SRT

ChemMasters introduced water-based Silencure SRT in 2011 using our state of the art Solvent Replacement Technology (SRT) as an environmentally responsible alternative with drastically reduced solvent emissions. Silencure SRT is a more versatile product, able to be used on precast, hand and machine troweled concrete in addition to broom finished concrete making it the one product for use on porches, sidewalks, driveways and garages.

Specifications: ASTM C 309, Type 1 or 1D, Class A & B; NCHRP 244, Series II and Series IV



## SilencureDOT

ChemMasters' proprietary penetrating cure & seal technology in a white pigmented, wax emulsion cure for highway pavement. Wax emulsion cures concrete to ASTM C 309 specifications, while white titanium dioxide pigment achieves 65% reflectance to keep concrete cool as it cures. Penetrating silane provides long-term protection from water and chloride ion absorption, and freeze/thaw damage.

Specifications: ASTM C 309, Type 2, Class A; NCHRP 244, Series II and Series IV; ASTM C 672



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## Our Knowledge is Concrete<sup>SM</sup>

We manufacture a complete line of specialty products to improve, repair, protect and beautify concrete and masonry. Contractors rely on our experience, knowledge & quality to help ensure success.



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