



## **SURFACE SENTRY PENECONE – SSP-002**

Above Grade Silicone Water Repellent Masonry Sealer

- Keeps water out and lets dampness escape
- Reduces efflorescence
- Reduces cracking and spalling
- Keeps masonry clean
- Will not discolor masonry surface
- Easy application

## **PROTECT AND BEAUTIFY ALL TYPES OF MASONRY**

Brick, stone, mortar and other types of masonry are made of solids honey-combed with air spaces. When viewed under a microscope, masonry looks like a sponge and it soaks up water in much the same way. Water fills the air spaces and gradually finds its way completely through the masonry.

Damp interior walls, cracking plaster, warped woodwork, peeling paint and wallpaper, results from water entering and penetrating masonry. Dirt and soil, carried by water, will discolor an exterior surface. Salts work their way out of the masonry and leave white or yellowish deposits called efflorescence. Freezing water can expand and crack off portions of the exterior, leaving an ugly scarred surface. Unfortunately, Penecone is not a substitute for properly engineered concrete.

The end result of water penetration is an unattractive surface that may be structurally unsound. An expensive repair job is usually required to restore the original beauty and function of masonry walls.

## **KEEPS WATER OUT AND LETS DAMPNES ESCAPE**

The only way to prevent the excessive damage caused by water is to keep water from entering the masonry in the first place. The application of Penecone masonry water repellent is the most economical and effective method for preventing water penetration of above grade masonry without altering its appearance.

### **USES**

Mortar	Gypsum	Unglazed Tile
Bricks	Stucco	Cast Stone
Concrete Blocks	Concrete	Natural Stone
Fire Brick	Adobe	Split Face Block
Terrazzo	Marble	

## **HOW DOES A PENECONE TREATMENT WORK?**

The Penecone water repellent is sprayed or brushed onto the masonry. It penetrates into the air spaces and as the solvent evaporates, deposits a very thin, invisible film of Penecone on all the internal surfaces of the masonry. Penecone is a natural hydrophobic; even minute quantities of silicone keep water from entering the pores of masonry. The Penecone treatment does not clog the natural pores; air and interior dampness can still pass through the masonry. Penecone treated surfaces do not have the damp, clammy feeling caused by moisture condensing on interior walls. Penecone treated surfaces breathe and allow the condensation to pass through to the outside. Of course, silicone masonry water repellent treatments will not correct structural faults or internal water seepage problems. They will not make a surface waterproof and are not intended as a substitute for tar, pitch and metal flashing. Penecone treatments will not repel water under pressure, so it should be used only on above grade surfaces.



### REDUCES EFFLORESCENCE

The unsightly white streaks and splotches that appear on masonry buildings are called efflorescence. They are caused by water dissolving the salts contained in bricks and mortar and carrying them to the surface of the masonry. Efflorescence will continue to appear as long as water can reach the salts in the inner portion of masonry. Penecone prevents water from reaching the salts, thus stopping efflorescence at its source.

### REDUCES CRACKING AND SPALLING

The force produced by freezing water is strong enough to crush concrete. This same expansion force causes cracks to appear and small pieces to chip off the exterior surface of masonry. Water penetrates into the air spaces, freezes and forces off a piece of the exterior surface. Cracking and spalling damage can be greatly reduced by treating masonry with Penecone repellent. The Penecone treatment keeps water from entering the air spaces, preventing the expansion and contraction due to alternate freezing and thawing.

### KEEPS MASONRY SURFACES CLEAN

Dirt, soot and soil are easily picked up and carried by rain or splashed surface water. When this dirty water falls on masonry, the water soaks in, leaving the dirt in the pores of the masonry and discoloring the surface. The structure begins to look weathered and unattractive. Penecone masonry water repellent stops this annoyance at its source. Water, dirt and soil are effectively sealed out. Any dirt that clings to the outer surface of the masonry can be easily washed away by spraying with an ordinary garden hose. In fact, rain will normally wash away most of the dirt after the surface has been treated.

### WILL NOT DISCOLOR MASONRY

Penecone masonry water repellent is clear and colorless. They contain no waxes, oils or pigments that would change the appearance of masonry surfaces in any way. Penecone masonry water repellent cannot penetrate masonry that has been painted with another paint and should not be applied without removing the existing paint film. Penecone treatment, however, is highly effective when applied over cement based paints.

### GIVES DURABLE TWO COAT PROTECTION

Most masonry surfaces can be adequately protected against water penetration by a two-coat application of Penecone water repellent. Penecone water repellent is not a surface treatment, it penetrates the pores of the masonry so surface weathering does not destroy the repellency. Properly applied Penecone masonry water repellent is extremely durable and will give adequate water repellency for a period of five years and longer.

### APPLICATION

Most applicators of Penecone silicone masonry water repellent use a low-pressure spray apparatus, such as a pump up garden sprayer suitable for applying concrete curing compounds. Set the gun or nozzle pressure to flood the masonry surface with a wet, liberal application of the Penecone. An ordinary paintbrush will also give a satisfactory application. Apply a wet, heavy coat and do not brush off the excess. For best results two applications are recommended with the second application applied using a wet on wet technique, i.e., the surface is wet from the first application but not glossy. These instructions must be followed to achieve the maximum benefit from this product.

One gallon of Penecone will normally cover 100 to 250 square feet of surface. On extremely porous surfaces as much as one gallon per 75 square feet may be required. In applying Penecone, good repellency is generally accomplished within three to four hours. The maximum repellency is attained within a few days. Protect windows and frames from this product. Penecone should not be applied to surfaces currently painted or to be painted in the future.