

20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL - CRAIG
(PHASE ONE)
13146 FIRESTONE BLVD.
SANTA FE SPRINGS, CA

On the first day on the job, we found that this drain leaking from inside the sheet metal box.



This drain has leaked for years, the sheet metal box needs to be replaced, and a new drain installed.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

**MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA**

Before starting the power washing, we walked the roof and sealed all open areas using Silicone mastic.



All dirt must be removed from the existing roof system.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Valley area is one of the worst areas to wash, we had to apply multiple patches before washing.



Once properly washed and dried out we will reinforce this valley with Silicone & Polyester membrane.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

All the black dirt is removed from the membrane leaving it white upon completion.



Even though it is clean we will install a Bleed Block primer before applying the Silicone coating system.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Continuing to power wash existing roof system.



All black areas must be cleaned to a white surface.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Once power washing has been completed and dried out we will start applying the Bleed Block primer.



Continuing the power washing.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Over the dried clean roof membrane, we have started to apply the Bleed Block primer.



Primer is being applied at a rate of one gallon per every 100 square feet.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

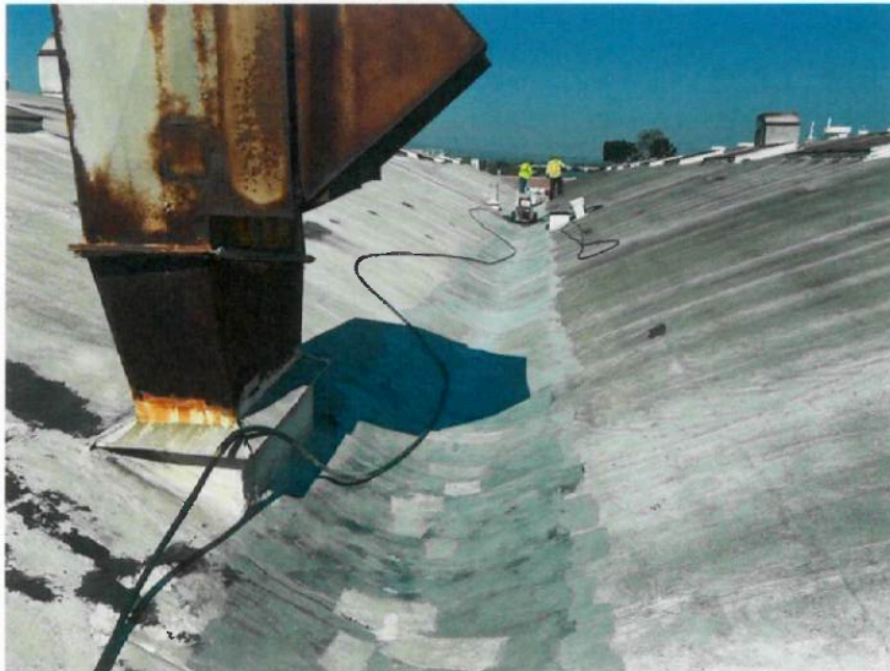
SolarEx

MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

All surface must be coated with the primer.



Valley area has been washed and primed.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Back roof area is completely primed, and all penetrations will be resealed using Silicone mastic.



Once primed and dried out we will apply the Silicone mastic to all pipes, vents, corners and drains.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWEL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Back roof area is completely primed.



All penetrations are ready to be sealed using Silicone mastic.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

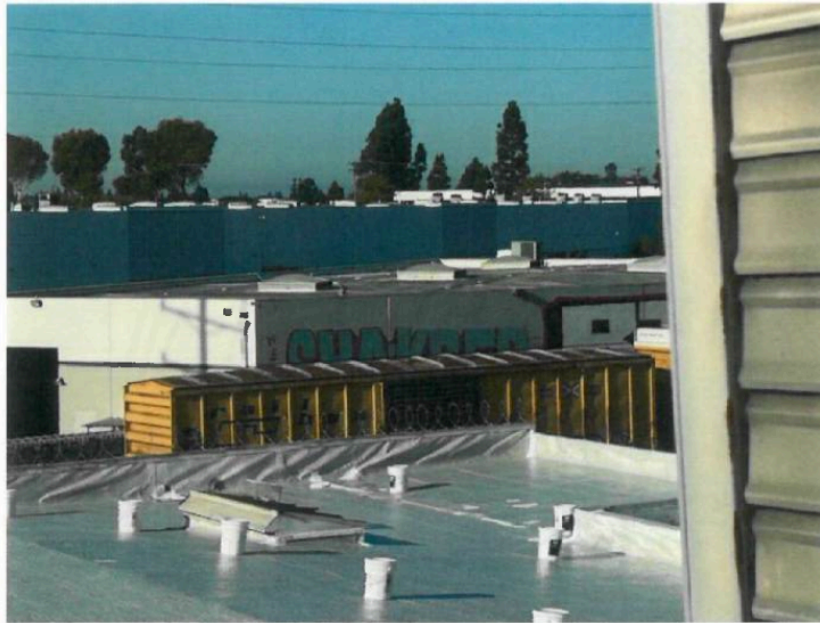
Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Silicone buckets are set for 3 gallons per every 100 square feet
of roof membrane.



Gridding out the Silicone buckets for coating.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

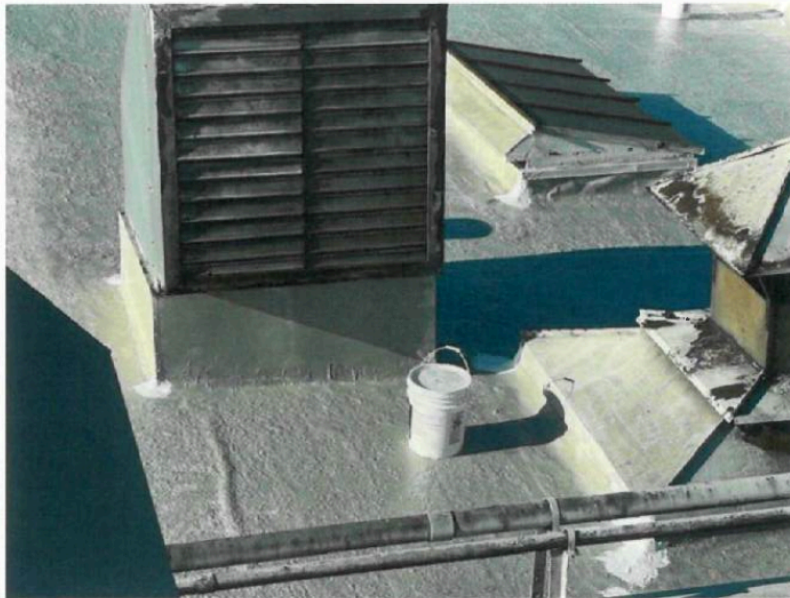
Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

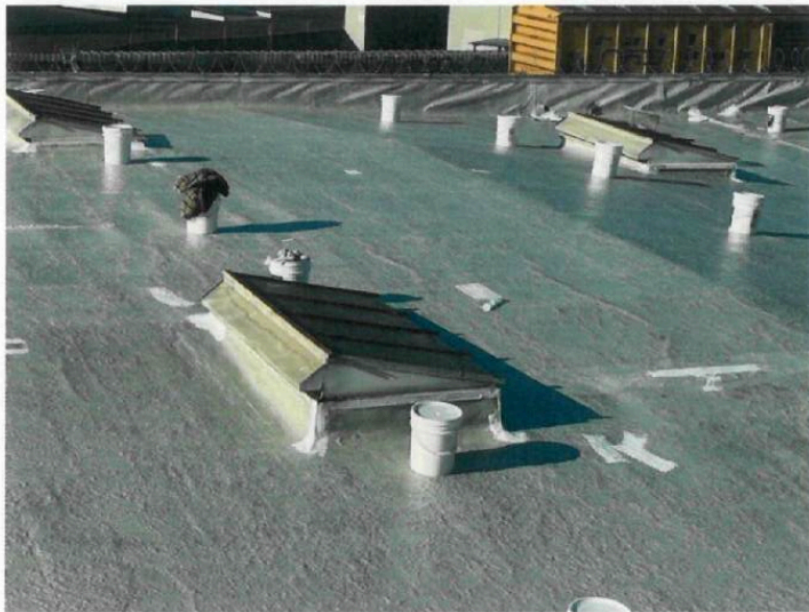
SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Applying the Silicone mastic to all corners, splits penetrations
and drains.



All areas of penetrations and splits will be sealed using Silicone
mastic.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA



MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Silicone mastic is being applied to all corners splits and penetrations.



Roof system is ready for Silicone coating application.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

MCDOWELL - CRAIG
PHASE ONE
SNATA FE SPRINGS, CA

SolarEx

All areas of potential leaks have been reinforced using Silicone mastic.



All roof drains have been cleaned and reinforced using Silicone mastic.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

All penetrations have been reinforced using Silicone mastic.



All areas of potential roof leaks have been reinforced.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

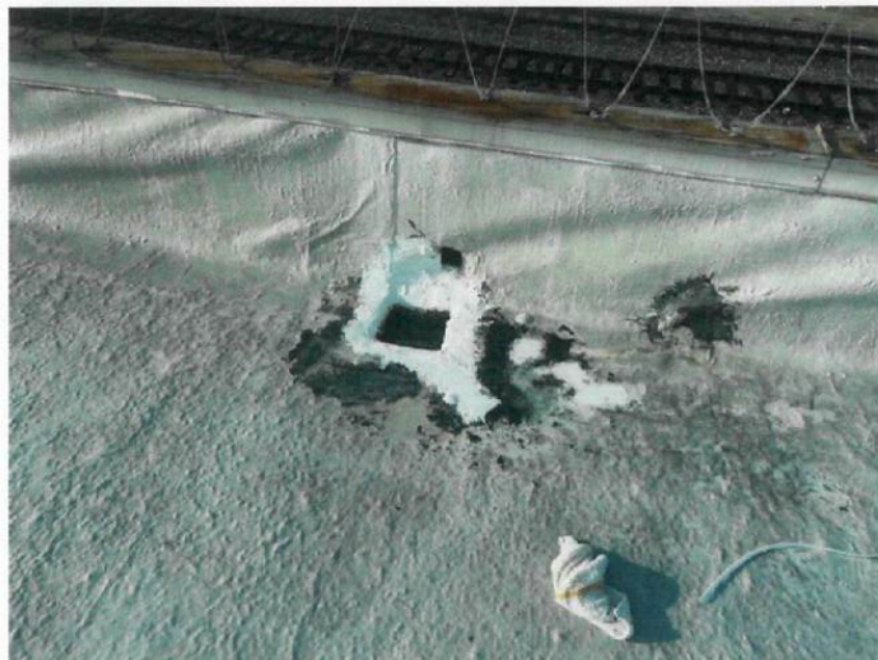
SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Rood system is now ready for Silicone coating.



Another reinforced roof drain.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

We removed the wooden sleepers and installed a 16-gage metal plate over the hole left where duster was removed.



Those areas have been reinforced using a 3-course of Silicone mastic.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL – CRAIG

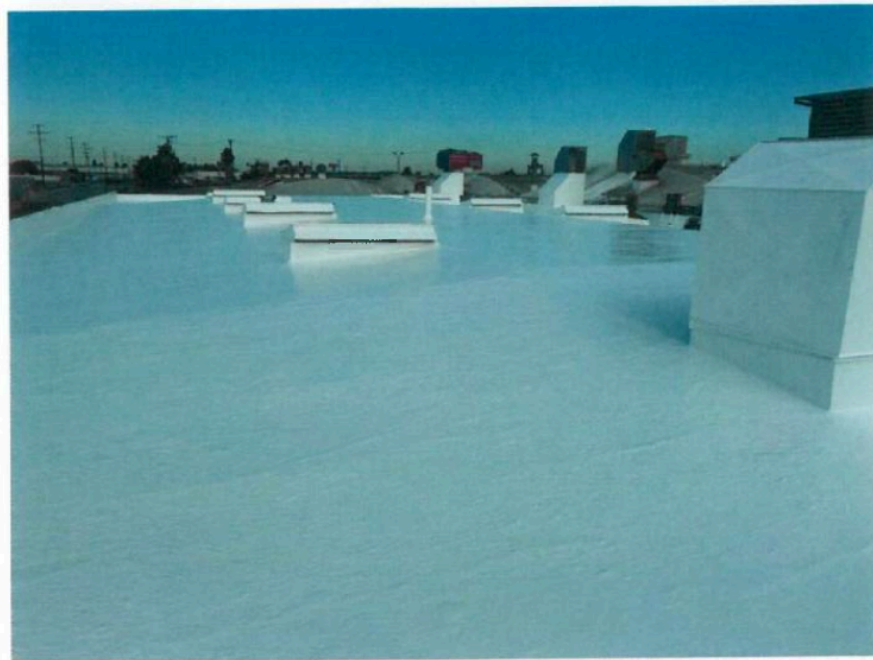
PHASE ONE

SANTA FE SPRINGS

Applied Silicone at a rate of 3-gallons per square.



All penetrations get coated with Silicone.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Applying Silicone coating to back portion of section #1.



Silicone is being applied at a rate of 3-gallons per every 100 square feet.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

**MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA**

Existing roof membrane has been made sound and watertight, ready for Silicone coating.



Coating being applied to the back portion of the existing roof system.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

All vent vents are being coated to prevent further rusting.



Top of all parapet walls get coated as well.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL – CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

All walls and coping cap will be coated with Silicone.



We are starting to coat the double valley area.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

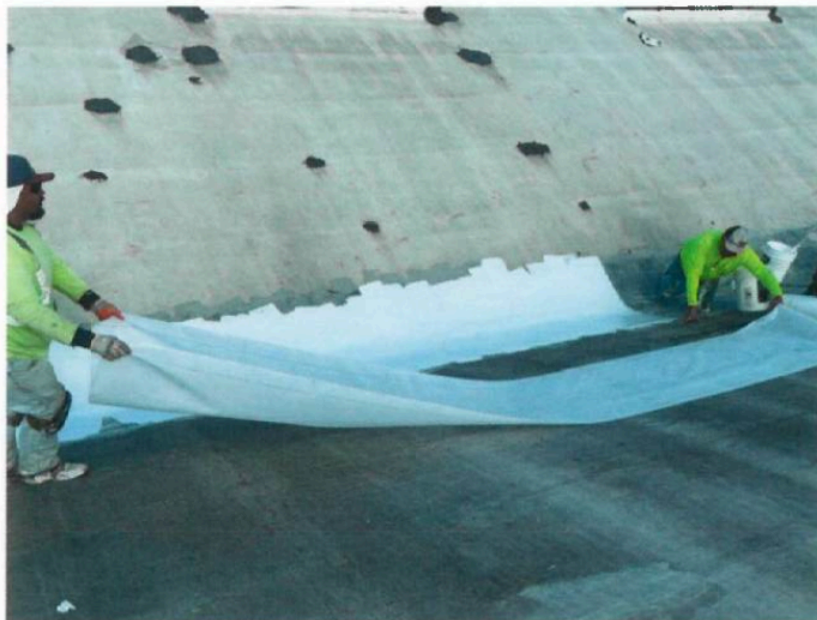
SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

We are applying 1.5 gallons Silicone 48" wide every 100 square feet.



While wet we are embedding a layer of Polyester membrane 40" wide and.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Once the Polyester is installed we will apply a second coating of Silicone at a rate of 1.5 gallons per 100 square feet.



All buckles and fish mouths will be broomed out of the polyester.



20 Year SolarEx Silicone Restoration System

2.5 GAL Silicone/SQ – 1.0 GAL Acrylic Primer/SQ

Silicone Mastic All Details & Penetrations on BUR with Gravel

8,350 sq ft Commercial Building - Santa Fe Springs, CA

SolarEx

MCDOWELL - CRAIG
PHASE ONE
SANTA FE SPRINGS, CA

Back portion of Phase one is being coated with Siliocne.



All curbs and vents will get coated.

