

# FIVE STAR CASE HISTORY



## BOILER ROOM & COMPRESSOR SKID



**INSTALLATION**



**AFTER**



**AFTER**

### JOB DETAILS

**MARKET:**  
Manufacturing

**PRODUCT:**  
Five Star HP Grout  
Stonkote GS4  
Stonset PM5  
Stonshield HRI Base

**DATE:**  
2017

**LOCATION:**  
Whitby, ON

**AREA:**  
Boiler Room & Compressor Skid

**QUANTITY:**  
1,200 ft<sup>2</sup>

**SUBSTRATE:**  
Concrete

### The Challenge

As part of a local packaging company's continuous improvement process a new Sullair V-320TS Two Stage Air compressor was installed at their Whitby facility. This high efficiency compressor is skid mounted and requires a precision Epoxy Grout to be utilized to ensure the equipment is maintained to line and level, and to reduce vibration.

At the same time as the new equipment installation was taking place, the company wanted to use that opportunity to coat the floors and surrounding trench plates to fully modernize the 1200 ft<sup>2</sup> boiler room.

### The Solution

Stoncor Group was able to provide a turnkey solution utilizing Five Star HP Epoxy Grout for the compressor skid base. Five Star HP Epoxy Grout provided the necessary compressive strength and vibration attenuation required for the new Sullair V-320TS compressor.

To refurbish the surrounding areas, old coatings were removed from concrete surfaces by rotary grinding with Stoncor's in house Prep-Master. After the grinding was complete all uncovered defects were repaired and patched with Epoxy Mortars to maintain project timelines. Steel checker plates over the trenches were degreased and primed with Carboline Rustbond, a low viscosity penetrating epoxy primer.

Once all the areas had been repaired and primed, two coats of Stonkote GS4 were applied. This finish treatment was used for both concrete and steel surfaces to provide a consistent, easy to clean, durable and decorative surface.

# BOILER ROOM & COMPRESSOR SKID

**StonCor Construction Products Group combines world leading product ranges to provide a comprehensive and integrated solutions portfolio for repair, restoration, strengthening, waterproofing, corrosion protection and upgrading of residential, commercial and industrial buildings, parking decks and structures, combined with precision engineered grouts for equipment support and stabilization.**

## FIVE STAR

High performance solutions for both concrete repair and precision grouting from a world leader in cementitious and epoxy repair technology.

## JOINTSTABILIZER

Joint Stabilizer offers a permanent fix to common joint problems with virtually no disruption to your operation during installation by providing positive load transfer at joints which prevents damaging deflection.

## STONFLOW

StonFlow is a pumped self-leveling cement-based flooring system that is specifically designed to provide a solution where high strength, fast turnaround and level floors are required.

## LEAKINJECT

### WATERPROOFING SYSTEMS

For water penetration in deep construction such as rail and road tunnels, or moving cracks in structures such as parking decks and basements, our range of injection resins covers all eventualities including Rigid and Flexible Polyurethanes, Acrylic Gels and Structural Epoxy Injection Resins.

## Vandex

### WATERPROOFING SYSTEMS

Originators of Crystalline Waterproofing, Vandex is a name synonymous with the waterproofing, repair and protection of buildings and structures since 1946.

## STONDECK

StonDeck Protection Systems have been designed to meet the needs of Canadian Parking Structures and Balconies and comply with the requirements of S413. StonDeck is used to waterproof and protect structures from chloride ion penetration while also providing slip-resistant and decorative surfaces.

## STONWALK

StonWalk is a seamless and slip-resistant bonded natural stone aggregate system that has been designed to ensure that walkways and external concourse areas reflect the natural beauty of the outdoors.

## CARBOCOMP

### STRUCTURAL STRENGTHENING

Our system utilizes carbon fibre to strengthen and upgrade structures and buildings to repair construction errors, upgrade carrying capacity and resist seismic loading.