



BILL SPITZER & ASSOCIATES

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<http://www.billspitzerassoc.com/>



Additional 6,000 hp Compressor Packages Grouted by Pumping

Location: Petal, MS

Date: March 2020

Product: Chockfast® Red HF

Size: 100 units or 251 ft³

Skid Dimension: 186" x 378"

Crew Size: 10 Installers

Install Time: 6 hours

Low Ambient: 57°F

High Ambient: 79°F

Max Wind Speed: 7 mph

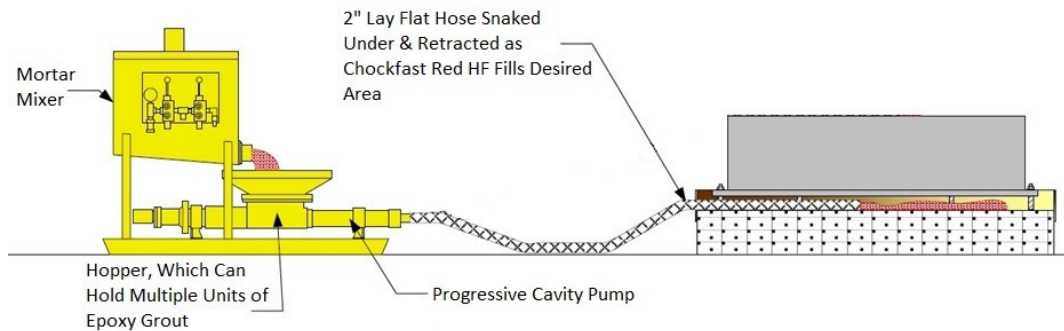
Avg Dew Point: 59°F



Client: One of the largest diversified corporations in the world, with businesses in insurance, energy, hospitality, and packaging industries. Additionally, they are traded on the NYSE over 35 years. The customer has 15 offshore drilling rigs, over 13,000 miles of gas pipelines, over 400 miles of NGL pipelines, and underground gas storage capacity of over 200 billion ft³.

Overview: From a previous successful project, Bill Spitzer & Associates (BSA) was asked to administer choices for the contractor to be successful in pumping epoxy. Two 6,000 hp compressor packages were required to utilize the engineered pumpable epoxy grout to ease constructability, empower schedule flexibility, maximize effective bearing area, and produce advantageous efficiency. Chockfast® Red HF decreased the total grouting project time (about 50%) and lowered expenses associated with labor and materials (1 mortar mixer versus 4).





Challenges:

- Managing project scheduling targets and goals
 - Enhancing constructability
 - Evaluating project parameters and difficulties
 - Prohibiting overrun costs
 - Acclimating to the specific site variables and conditions
- Consulting in the field
 - * Analyzed blueprints
 - * Investigated formwork
 - * Reviewed facility constraints
 - * Recalculated grout supply
 - * Organized pre-grout meeting
 - * Supervised grout pumping
 - * Adapted to cooler climates
 - * Taught finishing techniques
 - * Oversight proper sampling procedures

*Bill Spitzer & Associates
achieved full contact epoxy
grouting with structural
bedplate beams and surfaces*

Cold Weather Grouting:

Although Bill Spitzer & Associates (BSA) operates in warmer climates, BSA has extensive field knowledge to adapt to many circumstances. For this colder field environment, BSA pre-conditioned the materials 48 hours, pre-conditioned the working environment 12 hours, and post-conditioned the compressor packages 48 hours. This aided a high effective bearing area (EBA) of 99%, maintained flow rates to meet schedules, and provided predictable installing attributes. Moreover, the expansion joint spacing was reduced to eliminate the concerns of thermal shocking or cracking. Temperatures should be 65°F-95°F. Since it was difficult to have hot water for grout clean up, IXT-59 was the preferred solution to adequately clean tools and equipment.





Chockfast® Black & Red HF were both used for increased reliability and precise alignment



Utilize Bill Spitzer & Associates to guide critical decision-making aspects of epoxy grouting



Solutions: Bill Spitzer & Associates (BSA) sold the compressor packager Chockfast® Black previously and later Chockfast® Red HF at the jobsite to provide a

monolithic structure between the mechanical and civil engineering practices. Moreover, Chockfast® Black is an example of how BSA is involved at many

supply chain stages to advise clients of reliability applications with grout. The uniquely specialized concepts of epoxy grouting can be simplified with BSA differentiated expertise. Also, BSA fosters engineers, owners, and contractors to become more profitable, timely, and productive. BSA operates a client first mindset.



BILL SPITZER & ASSOCIATES

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Dallas, TX (281) 409-6845

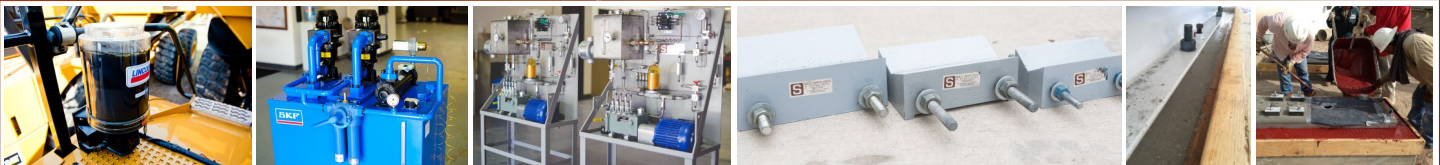
Odessa, TX (817) 456-7417



We exist to take care of customers

<http://www.billspitzerassoc.com/>

CORE PRODUCT PARTNERS:



Our Story

Bill Spitzer and Associates, Inc. (BSA) was founded in 1978 by Bill Spitzer, Shirley Spitzer, and Jim Mosebrook with a primary focus on servicing reciprocating compression equipment used in the pipeline, oil and gas, petrochemical, and refining markets. Lincoln Lubrication Systems, ITW foundation products (Previously Philadelphia Resins), and Spitzer Enterprises air filtration systems were the primary product lines. The addition of Alemite Oil Mist systems, Superbolt technologies, specialty ready mix concrete designs, industrial coatings, and anchor

bolt products created opportunities to expand into a wider variety of new markets: food and beverage, heavy and light manufacturing, construction, over the road equipment, liquified natural gas (LNG), oil well servicing equipment, pulp and paper, power generation, railways, and many more. We continue to support these markets with an evolving portfolio of products and services.

Currently, BSA still employs a small business mindset that started back in 1978; however, BSA has methodically grown and integrated competitive advantages, differentiation, modernization, and technological advancements. Connor Spitzer, 3rd generation, commenced his leadership in 2014 to merge an "old school" mentality with an improved focus on continuous process improvement and strategic planning methods. All of these adaptations are performed with one goal in mind, ensuring customers receive the best possible service and support found everyday.

*We proudly serve NM, TX,
LA, MS, AL, GA, SC, & FL*