



COATINGS BROCHURE 2021

DELIVERING QUALITY.

IMPROVING RELIABILITY.

Developing Consistency.

Creating Perfection.



TectylTM
Born to protect.

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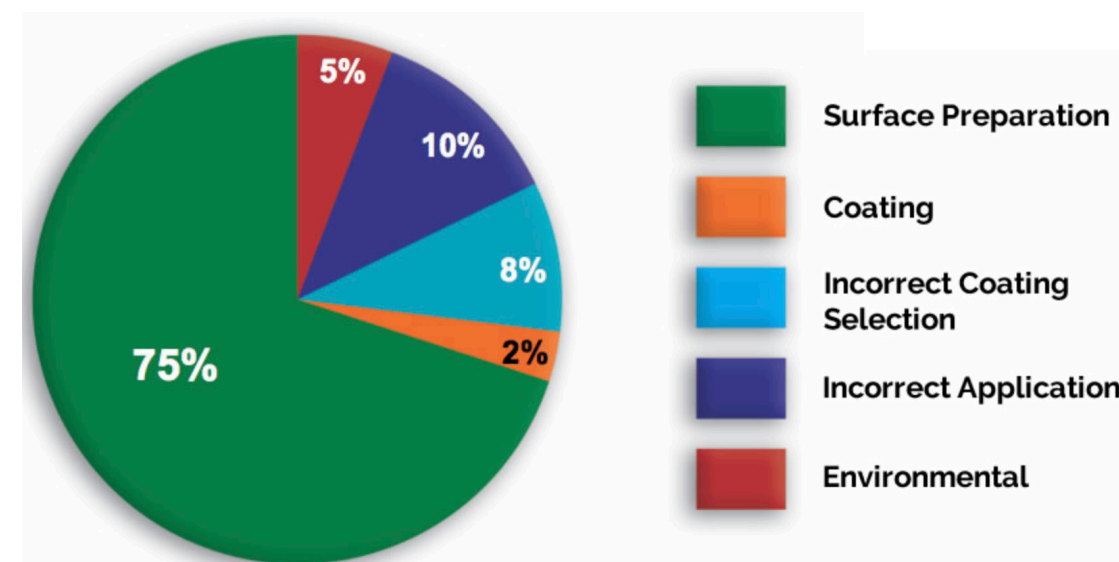
1

NRX

Replace conventional sand blasting surface preparation with a low pressure water wash and our reactive primer: NanoPrime™

The NRX water based NanoPrime™ contains no VOCs, is non-toxic and replaces expensive and time consuming conventional surface preparation with a simple, low cost water wash.

ABOUT 70% OF THE COST AND 75% OF THE FAILURES OF COATING SYSTEMS, RELATE DIRECTLY TO SURFACE



Off Shore



Maritime



Infrastructure

2

*A Ceramic Insulation that is a
Thin Thermal and Condensation
Barrier*

Tempcoat



The Power to **Insulate** and **Protect**
TEMP-COAT®
... AN INDUSTRY LEADER IN THE
INSULATION COATING BUSINESS.



**THE VERY BEST AND OLDEST NAME IN
LIQUID CERAMIC INSULATIONS.**

**NOTHING DOES THE JOB QUITE LIKE
TEMP-COAT.**



3

Dura-Coat

PLANT WIDE COATING PROTECTION



Dura-Coat is a solvent free, ceramic filled coating designed particularly as a protective coating for metals and concrete in highly aggressive environments especially high wear abrasion. Excellent in a wide array of caustics and acids.



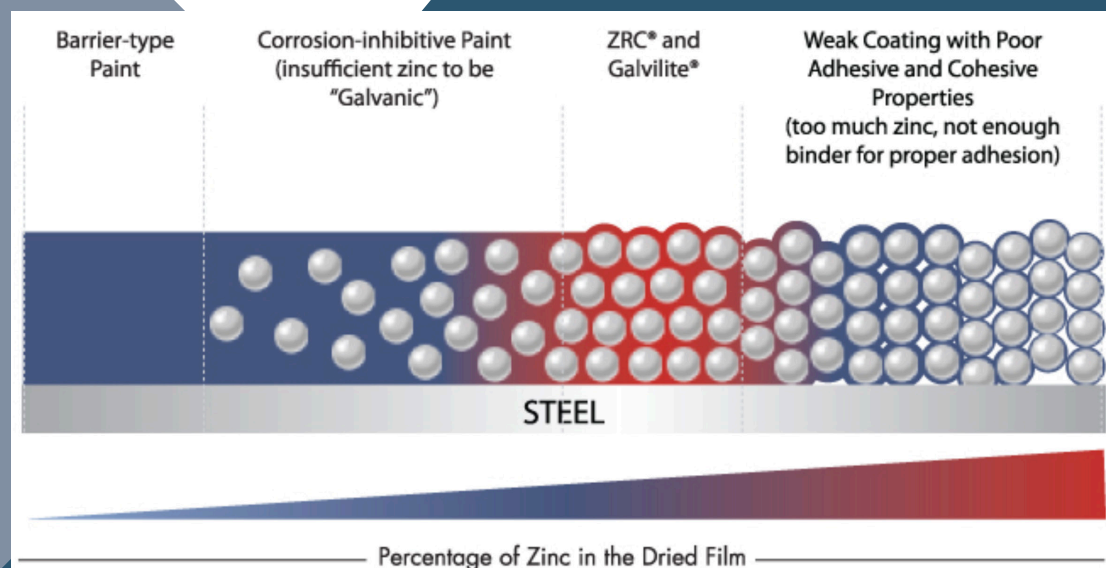
CONCRETE AND FLOORING

4



ZRC Worldwide

ZRC® is a high-quality cold galvanizing compound based on a trade secret organic binder which affords true galvanic anti-corrosion protection to metals. The dried film of ZRC is 95% metallic zinc. Because of the uniqueness of the formulation, ZRC is the only coating of its type to be recognized under the Component Program of Underwriter's Laboratories, Inc.



ZRC Galvilite

Galvilite® is the architect's choice for field and shop repair of hot dip galvanizing - 95% zinc in the dried film and a shiny color that blends in with the appearance of new hot-dip galvanizing.



ZRC® Cold Galvanizing Compound

ZRC® is a high-quality zinc-rich coating which provides a 95% metallic zinc dried film to iron and steel. ZRC is the only cold galvanizing compound to be recognized under the component program of Underwriters Laboratories, Inc.



ZRC® Zero-VOC Galvanizing Compound

ZRC® Zero-VOC is an advanced-technology cold galvanizing compound based on a trade secret binder which affords true galvanic anti-corrosion protection to metals.

5

PROVEN RUST PROTECTION

Tectyl - Born to Protect

We're Tectyl. Born to protect.

From the massive transport ships that sail the world's oceans to the car you drive to work each day, but even your garden fence. All of these products have one thing in common: if they are not protected against the elements they will be demolished.



Tectyl™



6

PREVENTATIVE, MAINTENANCE AND REMEDIAL OPTIONS FOR CONCRETE.

Resibond

Also termed “AUTOGENOUS” healing in concrete, the capacity for concrete to “self seal” is historically a widely accepted and well established phenomenon which is of particular importance in prolonging the service life of water retaining infrastructure.

The process mechanism through which androgynous “healing” occurs is attributable to the formation of calcium carbonate as a result of the reaction between un-hydrated cement in concrete, mortar and plaster matrixes and carbon dioxide dissolved in water.(carbonic acid)

With time and, as water under low pressure flows through the minor fissures in Portland cement bound matrixes, the virtually insoluble white crystalline calcium carbonate (occurring naturally as lime) begins to “build up” on the adjacent crack surfaces resulting in a reduction in substrate permeability.

OPTIMAL CONDITIONS FOR SELF “HEALING” OF CONCRETE

Free calcium hydroxide must be present in the un-hydrated cement binder of the matrix.

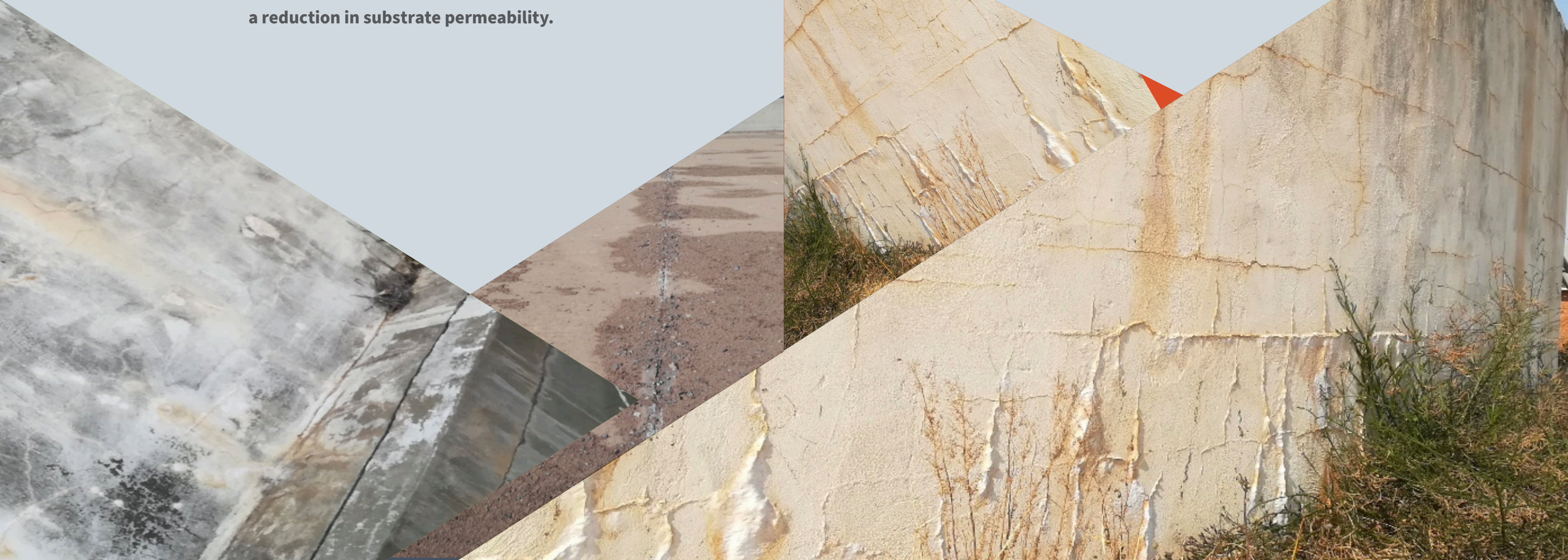
Flow rate of water through fissures should be low.

Ph of the water should be 6.9 – 7.8.

Outer surfaces of the structure should be exposed to air.

Pathway from point of ingress to point of exit in the substrate should be as long as possible in order to allow precipitation and crystallisation of the calcium carbonate to occur.

WHERE LOW PH (ACIDIC) ENVIRONMENTAL CONDITIONS ARE PREVALENT, ANDROGYNOUS “HEALING” OF MINOR CRACKS/ FISSURES IN PORTLAND CEMENT BOUND WATER RETAINING STRUCTURES CAN NO LONGER BE RELIED UPON.





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