

Is your **Structure** running out of time?



Solving your Crevice Corrosion & Pack-Rust Problems

Denial

"Corrosion is not serious"



Denial

"Crevice corrosion and pack-rust do not cause out-of-plane bending"



Denial

"There is nothing you can do about rust bleeding into connections"

Denial

"Structure critical corrosion does not contribute to bridge collapse"

Termarust is an anti-corrosion solution proven to address crevice corrosion and pack-rust **GREAT for the Environment!**

1. Our High Ratio Co-Polymerised Calcium Sulfonate (HRCSA) materials are VOC compliant.
2. Contains no hazardous heavy metals and is non-conductive.
3. LC50 fish kill at 96 hrs is 41007 ppm (typical epoxies and urethanes range between 2-100 ppm) higher is best.
4. **Application:** No catalysers used, such as no equipment flushing with hazardous solvents required.
5. **Overcoating:** Removal of lead paint is not necessary therefore *no requirements or need for negative air containments (employee health) and no spent sand-blast contaminated medias are produced for disposal.*



See **RAL Colour Chart** for additional colours (more available online)

Termarust HRCSA Checklist:

- Rapid deployment high-pressure water cleaning reduces lane closure time frames
- HRCSA provides lubricity while chemically detaching rust from steel (freeing up corrosion frozen bearings, pins and connections)
- Chemically stops crevice corrosion (rust bleeding) between plates
- Single coat HRCSA is field proven to provide long-term protection without micro-cracking (elastomeric)

Termarust Corrosion Solution for Steel Structures



The Problem:

To maximise the life of steel structures, crevice corrosion, pack-rust and corrosion frozen bearings must be addressed. Unfortunately, traditional coatings and joint sealants do not fundamentally address this problem and corrosion at these critical joints will continue.

The Solution:

Termarust HRCSA (High-ratio, copolymerised, calcium sulfonate) technology is chemically active and attracted to steel surfaces, displaces moisture, chemically neutralises acids, scavenges oxygen and bonds with steel surfaces like a magnet. The single component technology mitigates active corrosion and creates a barrier against future ingress of corrosive materials.

Spot Treatment of Crevices: Use the TR2200HS Penetrant/Sealer for spot-treating crevice corroded and pack-rusted connections directly or as part of a total structure anti-corrosion solution. The HRCSA penetrant will infiltrate deeply inside corroded connections via pressure and capillary action. The TR2200HS penetrant/sealer has also been shown to free up corrosion frozen bearings.

Global Protection: For a total corrosion solution, apply the TR2100 HRCSA Primer/Topcoat after treating the joints with the TR2200HS Penetrant/Sealer. The single component, single coat HRCSA primer/topcoat leaves an elastomeric film and is proven to be significantly resistant to corrosion undercutting leading to long life. Available in any colour.

Termarust Technology Benefits:

- Total corrosion solution for crevice corrosion and/or exposed steel surfaces.
- High-pressure hot water cleaning is used to remove poorly bonded coatings, corrosion and salts with remover additive.
- Eliminates sandblasting and significantly reduces containment, waste generation and disposal costs.
- Fast installation significantly reduces labour and access costs. Limits lane closures and traffic delays.
- HRCSA corrosion mitigation can be combined with other operations to further reduce access and lane closure costs.

Vector is an authorised distributor of Termarust anti-corrosion solutions. For more information, contact Vector or visit www.termarust.com



Vector Corrosion Technologies are the leading supplier of corrosion mitigation products and services for reinforced concrete and masonry structures including: Bridges | Car Parks | General Buildings | Marine Structures

Vector's expertise has been developed from over 50 years of experience in delivering innovative solutions to its clients.

Our range of corrosion mitigation systems includes: **Galvanic Protection** | **Impressed Current Cathodic Protection**

Electrochemical Treatments such as: **Chloride Extraction** | **Re-Alkalisiation**

We offer tailored solutions to protect structures against corrosion. Termarust is a coating stopping crevice corrosion (pack-rust) on steel structures.

Vector takes pride in providing technically advanced yet cost effective strategies for structures subject to corrosion damage.

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We Save Structures™