



# Leading Edge

Protecting Your Business for a More Sustainable Future

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## Selecting the Right Coating System for Your Project

### Asking the Right Questions

Choosing the right coating for your project starts with asking the right questions. Factors like the **chemical environment**, **operating temperatures**, and **exposure** risks must be considered. It's tempting to speed through this process, but skipping key details can lead to costly failures.

Understanding the full chemical makeup and environmental factors ensures long-term protection for your infrastructure.

### Understanding the Different Types of Coating Systems

There are a variety of coating systems available, and each is designed for specific conditions. **Epoxy coatings and liners** offer chemical resistance and durability, making them ideal for harsh environments. **Polyurethane coatings** provide flexibility and impact resistance, while **acrylic coatings** are typically used for UV protection.

Other options include **viscoelastics**, **bitumen tapes**, **wax tapes**, and **petrolatum products**—each with unique benefits depending on your infrastructure's needs.

To add to this complexity there are different types of epoxies and combinations of coating technologies, sometimes you have to create a 3 coat system that allows you to cover all of your bases.

### The Importance of Tailoring Your Coating System

There is no universal coating that works for every environment. Understanding the specifics of your infrastructure—whether it's a pipeline, storage tank, or machinery—helps ensure you choose the best system. This process requires expertise and experience to make sure all factors are considered.

We specialize in repairing, protecting, and upgrading critical infrastructure and are here to help you find the optimal solution for your environment. Contact us today!

**For tailored advice on selecting the right coating, reach out to the technical experts at Unconventional Solutions.**



### Resimac Resichem 570 Concrete Patch Repair XF

Concrete Patch Repair XF is a high-performance, self-priming, three-part solvent-free epoxy repair mortar, expertly crafted for restoring and rejuvenating cementitious surfaces.

This robust product is formulated to offer exceptional chemical and abrasion resistance, making it the ideal choice for rapid and effective repairs to concrete substrates.



### Duomar HAR Carbide Putty – High Abrasion Resistance Rebuilding Putty

Duomar HAR Carbide Putty stands out as an exceptionally a

brasion-resistant putty, surpassing SAR in terms of durability and resilience. Duomar HAR Carbide putty is used to rebuild and restore metal products, versatile and easy to use. It is specifically formulated for use in environments that demand heightened resistance to fine slurries, whether in liquid or powder form. This makes Duomar HAR Carbide Putty an ideal choice for applications in coal mills, chutes, ash hoppers, and deflector plates, particularly in Flue Gas Desulfurization (FGD) systems.



### Duomar EXP-THIXSET

is a more chemical and higher temperature resistant version of either SAR or HAR used primarily in areas operating at

higher temperatures and requiring better chemical resistance. Applications include acid tank repair, boiler skirts or refinery evaporator vessels.

### FEATURES:

- Outstanding chemical and thermal resistance
- Very good resistance to moderate levels of abrasion
- Excellent fluid flow characteristics
- Long term flexibility
- High abrasion resistance and durability
- Good anti-slump characteristics for thick applications

### DATES TO REMEMBER

**November 21**  
**SEMPPE Meeting -**  
**Whiskey on the Water**  
(Wyandotte, MI)

**December 19**  
**SEMPPE Meeting**  
**Bakers of Milford**  
(Milford, MI)



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