

Raybo 85 Rustib

Raybo 85 Rustib is a cationic wetting agent designed for long-term corrosion prevention. Due to its polarity, raybo 85 Rustib is attracted to the metal surface forming a monomolecular hydrophobic layer at the substrate / coating interface. This affinity increases adhesion and resistance to corrosion undercutting. Raybo 85 Rustib will also displace moisture on the surface due to its hydrophobic property.

Raybo 85 Rustib stops corrosion by:

- ◆ the action of a mechanical barrier – raybo 85 Rustib is not soluble in water
- ◆ the action of a chemical barrier – rusting is not possible in the cationic environment of raybo 85 Rustib

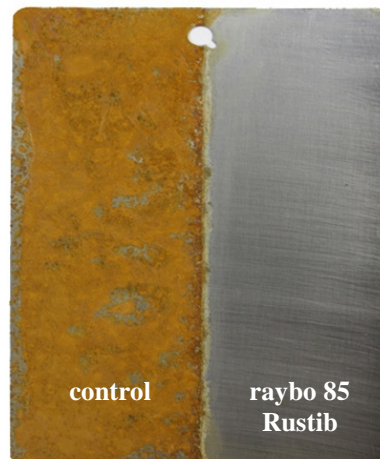
Raybo 85 Rustib is primarily designed for use in solvent based catalyzed systems, such as epoxies and urethanes, and is well suited for use in primers, direct-to-metal one coats, and high gloss applications. Raybo 85 Rustib is commonly used in high performance corrosion resistant coatings, such as coatings for bridges and oil well platforms.



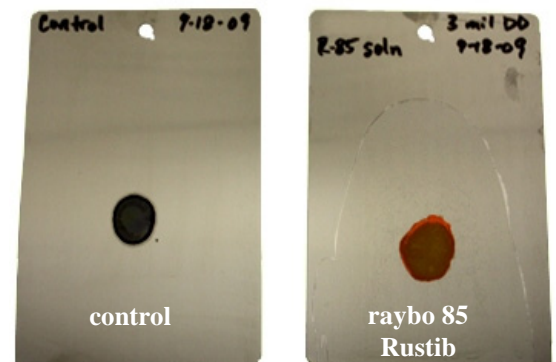
The coating on this bridge, the Scenic Blue Water Bridge, contains raybo 85 Rustib.



The coating on this oil well platform contains raybo 85 Rustib (photo courtesy of Ameron International).



The images to the left and center are of abraded steel panels with the non-corroded portions coated with a thin layer of raybo 85 Rustib solution; the panels were placed in a corrosive environment until rusting occurred. The properties of raybo 85 Rustib prevented the protected portion from corroding.



The image above is of panels with drops of orange dye solution on them. The dye reacted with the control panel and turned dark brown. Due to the properties of raybo 85 Rustib, the dye was not able to react with the steel of the test panel and dried orange.