## ACTEL Coatings-Making the Difference

NAVY STEEL - Frequently Asked Questions

Q. What is Navy Steel?

A. Navy Steel is a safe, water based treatment which neutralises rust and protects rusted iron and steel.

Q. How do you use it?

A. First , you remove loose flaky rust to expose some underlying bare metal. Second, you apply Navy Steel, by spray, stiff brush or roller in thin even coats. A second coat of Navy Steel can then be applied or you can apply any other paint topcoat.

Q. How many coats do you need?

A. Navy Steel is a one coat rust treatment. However, the best results are achieved with two coats. In applications not exposed to weathering, two coats give outstanding protection, up to five years, without using topcoating systems.

Q.What is the difference in performance between one coat and two coats of Navy Steel with an appropriate topcoating?

A. Depending upon how severe the conditions are, one coat lasts from 6 months to 2 years. Two coats will last for up to 5 years again depending on the severity of the weather and the impermeable, compatible and flexible nature of the topcoat, epoxy, polyurethane, bituminous coatings etc.

Q. Can you apply Navy Steel to blast cleaned steel?

A. Yes, but there is no need to blast clean if using Navy Steel unless to sweep blast

Q. On what surfaces is it used?

A. Navy Steel is used on iron and steel structures.

Q.Will Navy Steel stop rust?

A. Yes, Navy Steel prolongs the life of paint systems.

Q. Will the product freeze?

A. Yes

Q. How quickly does Navy Steel dry?

A. Touch dry in 30 minutes.

Q. When can I paint over Navy Steel?

A. In order for the chemical reaction to take place, 8 hours is recommended for water based topcoats and 24 hours for solvent based topcoats.

Q. Can I use Navy Steel if it is damp or humid outside?

A. Yes. Unlike most paint products, Navy Steel can be used in damp humid environments so long as drying conditions exist.

Q. What happens if it rains on treated surfaces before Navy Steel dries?

A. If Navy Steel gets wet within 4 hours of application, simply re-apply the coating.

Q. Can I use Navy Steel in Ultra High Pressure Blasting specifications? A. Yes, it is ideal after UHP water jetting.

Q. What is Navy Steel made of?

A. Navy Steel is a water based polymer. The ingredients are unique and can be compared to the quality of polymer that car makers use to provide extended rust proofing and undercoating warranties on vehicles.

Q. How does the product work?

A. Navy Steel contains ingredients which chemically convert rust to a stable iron oxide. The polymer in Navy Steel provides a protective coating over the stabilised surface.

Q. Does it have any other uses other than rust conversion?

A. Yes. It provides a very tough protective coating.

Q. Does it come in colours?

A. No. The finished product dries blue/black. Overcoat with the desired colour of paint.

Q. Does Navy Steel change colour after application?

Yes. Navy Steel is applied as a creamy colour which dries blue/black. The colour change is due to the chemical reaction of rust passivation.

Q. Is the product harmful or is it hazardous? A. Not at all.

Q. Does the product smell?

A. Navy Steel has a faint characteristic smell.

Q. Is the product environmentally safe?

A. The product is engineered to be as environmentally “friendly” as possible, it contains no hydrocarbon solvents or toxic pigments.

Q. Is Navy Steel flammable.

A. No. It has been tested as Class “O”.

Q. What happens if I get it on my hands?

A. Wash off with soap and water. It is always good practice to wear gloves when painting with any product.

Q. What happens if it dries on my skin?

A. It may stain but staining can be removed with a dilute bleach solution.

Q. What do I do if it gets on my clothes?

A. wash affected area with soap and water before Navy Steel dries.

Q. What first aid is required?

A. Splashes on skin or eyes should be flushed well with water.

Q.What about cleaning up after use?

A. Use soap and water to clean equipment before Navy Steel dries and aromatic solvents if it has dried.

Q. What will happen if I apply Navy Steel on a heat source?

A. Heat will soften the coating. It will harden again when cool. Extreme heat will cause the product to char. Navy Steel meets Class “O” BS 476 parts 6 & 7 for flame spread.

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