



NYACOL® Y-Coat Self-Protective Alloy Treatment

SUMMARY

NYACOL Y-Coat is a developmental water-based proprietary formulation designed to protect industrial components from high temperature corrosion and oxidation. The product is designed for use on many metals such as stainless steels, aluminum, nickel, titanium, magnesium and the superalloys. The product can provide protection as high as 1100°C.

Y-Coat provides a cost effective alternative to the expensive rare earth doped specialty metals. Y-Coat can be applied by dip or spray methods. If there is sufficient oxygen present and elevated temperature during service, then no further processing is needed. The applications include reduction of corrosion, metal dusting and carbon attack. The product is environmentally safe, non-hazardous and can be applied in the field.

Consult with NYACOL technical service for recommendations for the application being considered.

TYPICAL PROPERTIES

Appearance	Clear and Colorless
% Oxide, wt.:	< 1.0
pH:	6.5 – 7.5
Viscosity, cP:	3

Figures below - 316 stainless samples dip coated with Y-Coat on the bottom section aged 10 hours at 800° C in air.





Data Sheet
NYACOL Y-Coat

PACKAGING

NYACOL Y-Coat is available in 5-gallon pails and 55-gallon drums.

STORAGE

The shelf life is 8 weeks at 75°F and must be kept out of direct sunlight.

SAFETY

A Safety Data Sheet for this product will be supplied upon request.

FOR ADDITIONAL INFORMATION OR TO ORDER MATERIAL

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