

KAWASAKI STEEL TECHNICAL REPORT

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Rust Stabilizing Surface Treatment for Atmospheric
Corrosion-Resistant Steel (RS-COAT)

Rust Stabilizing Surface Treatment for Atmospheric Corrosion-Resistant Steel (RS-COAT)*

Tadakazu KYUNO*** Masao ISHIWATA**** Tadaaki SATO*****

Cupric phosphate

Rust stabilization,
trapping corrosive agents

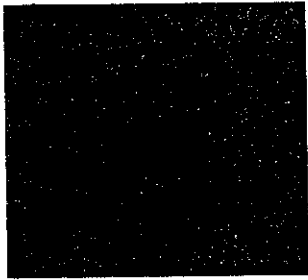





Barium sulfate

Barrier against corrosive agents

SMA 50AW) and those for use in a painted condition (for example, SMA 50AP). Some of these steels for use in a painted condition (KSC designation: River Ten 50A etc.) have relatively low contents of elements affect

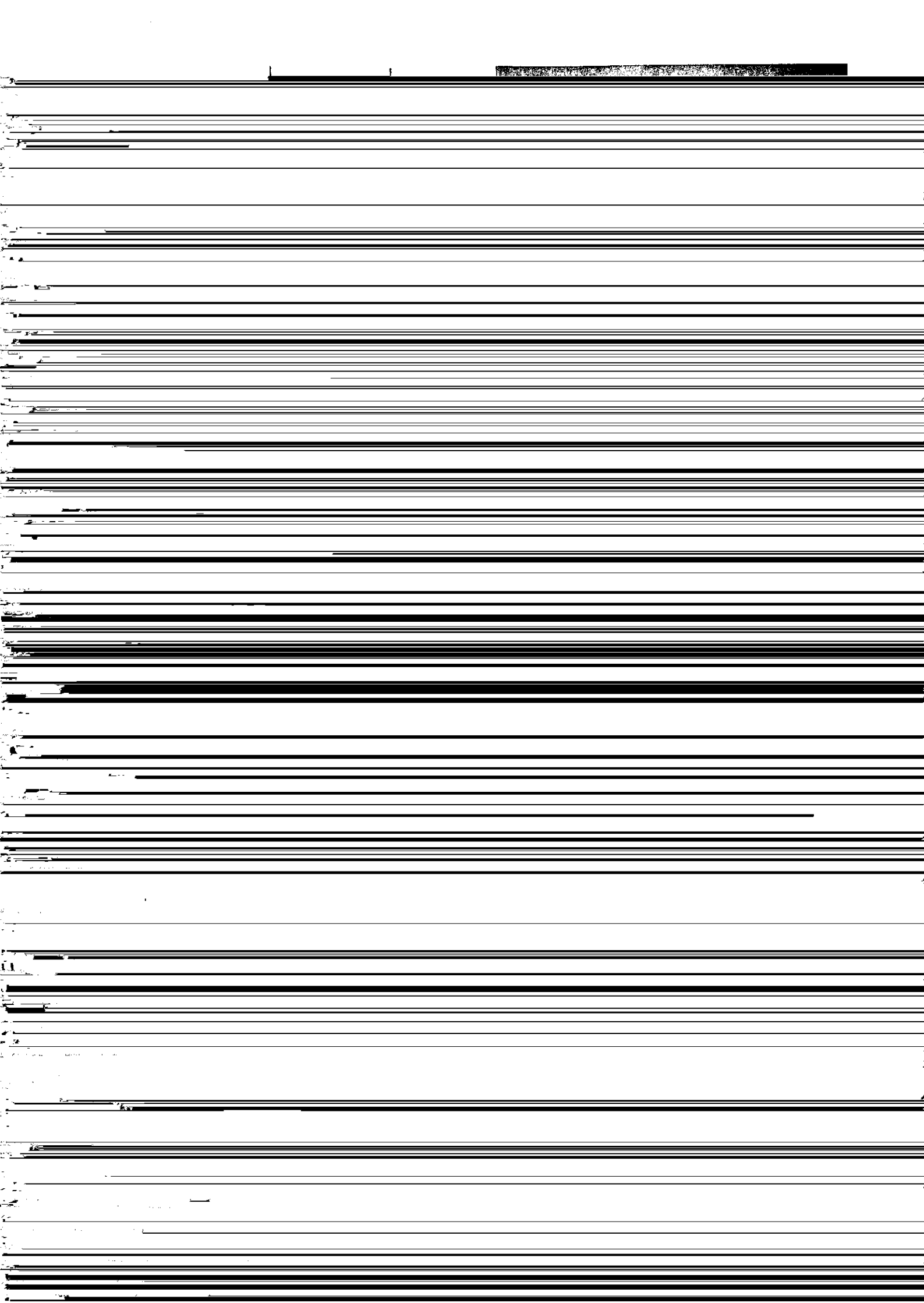
4.2 Application Conditions

The coating is applied under the same conditions as with ordinary coatings that dry at room temperature

	Coastal industrial zone	Industrial zone	Rural zone
RS-COAT			
			

plaster board was placed under the specimen of RS-
COAT applied steel to investigate the contamination

tamination with the rust-containing yellow water.



S concentration in the rust formed under film is low compared with that of rust formed in the non-treated steel and it is thought that S, along with Cl, was shielded

7 Conclusions

KSC has developed a rust stabilizing surface treat-

From this, the RS-COAT film is considered to have a function for preventing the permeation of corrosive

contamination of surroundings with the outflow of rust-containing yellow water, poor appearance until the formation of stable rust and other problems associated