KAWASAKI STEEL TECHNICAL REPORT

No.12 (July 1985)

Special Issue on Hot-and Cold-rolled Steel Sheets

Chromate Electrogalvanized steel sheet "RIVER ZINC F" with Anti-fingerprint Property and High Corrosion Resistance

akira Matsuda, Takahisa Yoshihara, Kazuaki Miyachi, Takeshi Yoshimoto, Hisao Yasunaga, Toru Honjo

Synopsis:

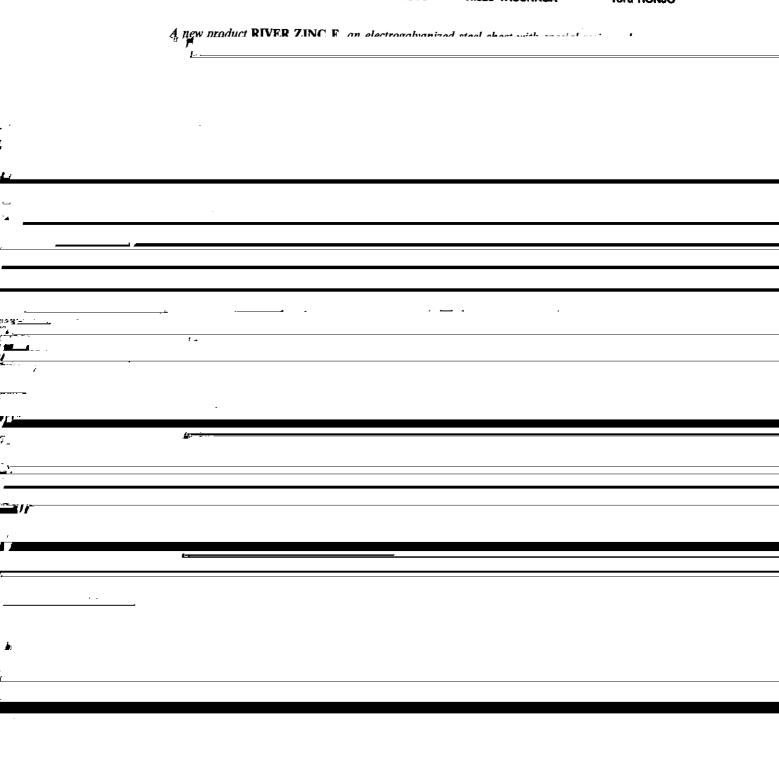
A new product RIVER ZINC F, an electrogalvanized steel sheet with special resin and chromate coating, has been developed for its anti-fingerprint property and high corrosion resistance. Kawasaki Steel has succe

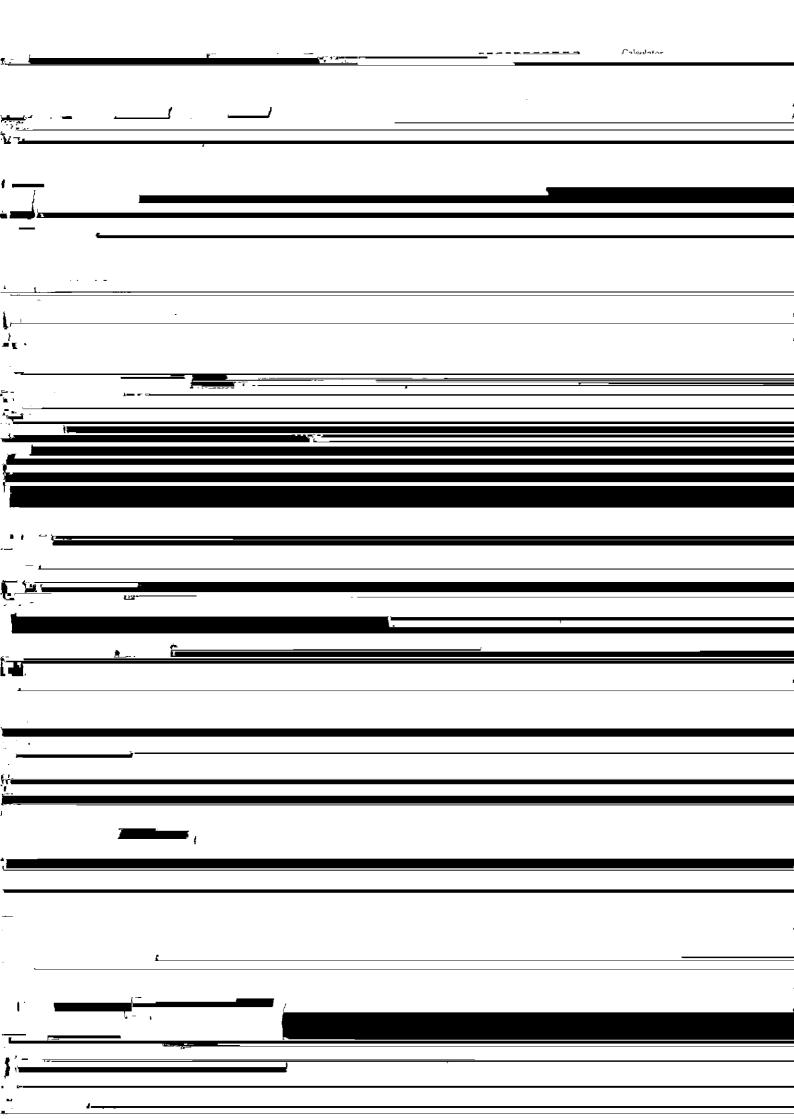
Chromate Electrogalvanized steel sheet "RIVER ZINC F" with Anti-fingerprint Property and High Corrosion Resistance*

Akira MATSUDA*2
Takeshi YOSHIMOTO*5

Takahisa YOSHIHARA*³ Hisao YASUNAGA*⁶

Kazuaki MIYACHI*4
Toru HONJO*7





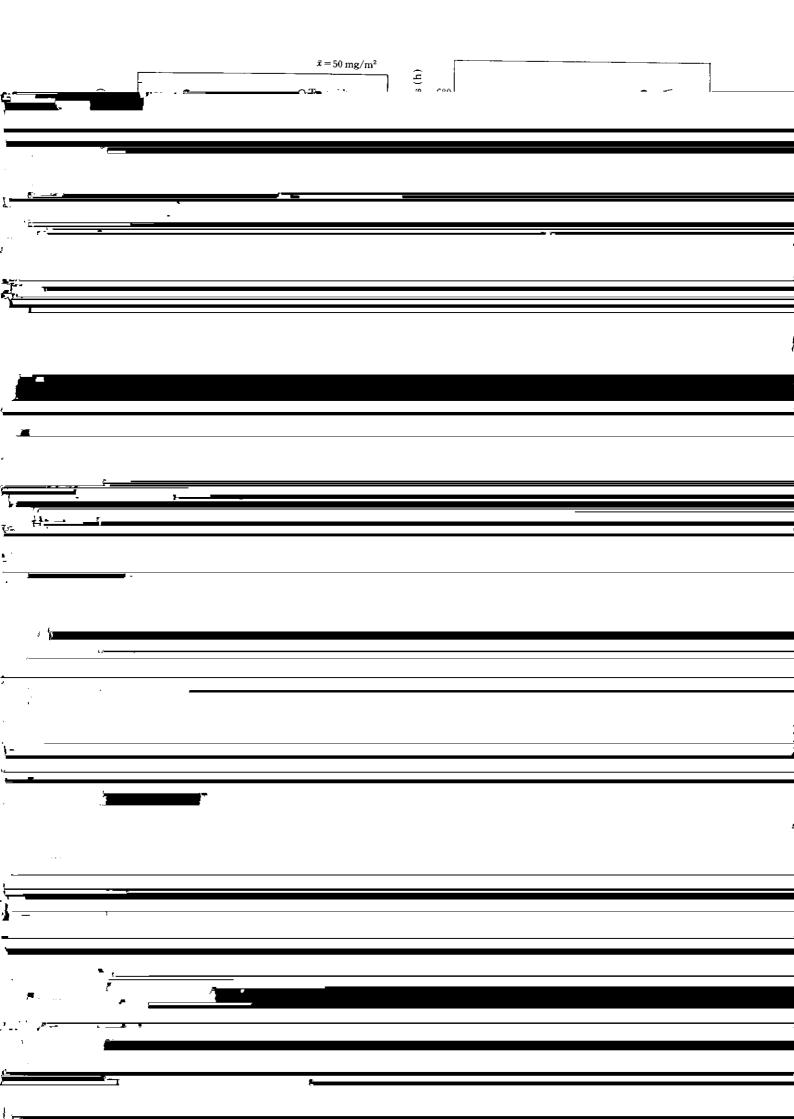
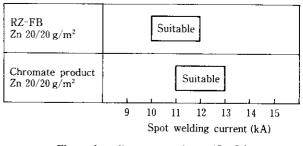
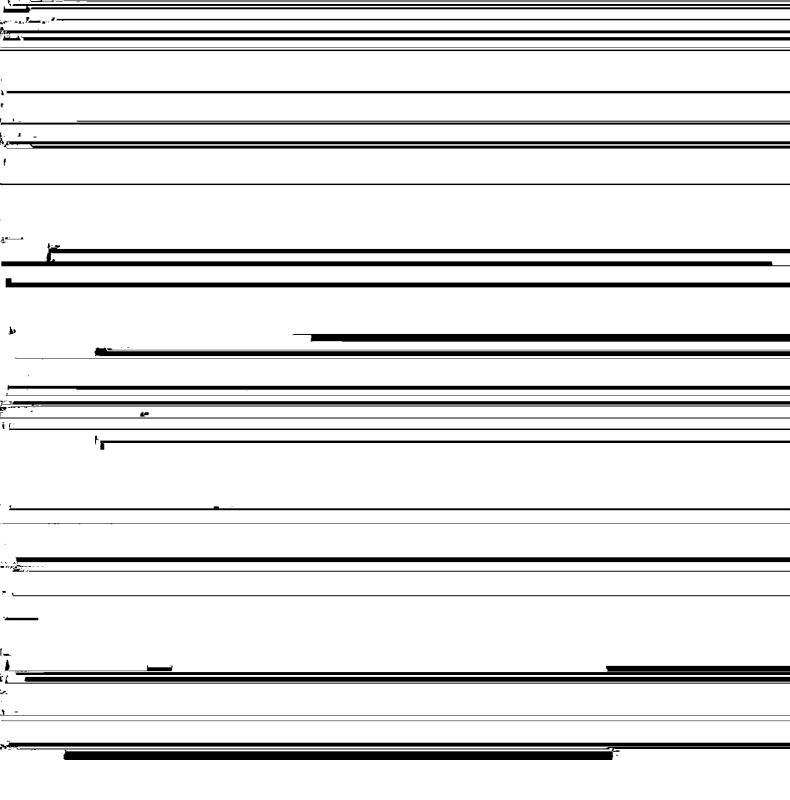


Table 9 Paint adhesion of RZ-FB by tape peeling test

Resin coating weight (mg/m²)	Primary adhesion		Wet adhesion*1)	
	Erichsen 5 mm*2)	Du Pont impact**	Erichsen 5 mm*2)	Du Pont impact*3)
300	0	0	0	Δ
500	0	0	0	0
1 000	0	0	0	0



Electrode_radius : 6mm&(Cu-Cr)



(2) The special resin, which is of the alkyd type containable current range for spot welding of the product is ing a coloidal silica, is coated on chromate electrolower than that for the conventional chromate product. galvanized sheets using a roll coater in KM-RCEL. The number of continuous welds is 8000, which is 13 D7 TO with abandina anoting of 100 malm2 and fore, RZ-FB is believed to possess excellent weldability. more than 800 mg/m² of the resin coating weight, passed more than 500 h of salt spray test.