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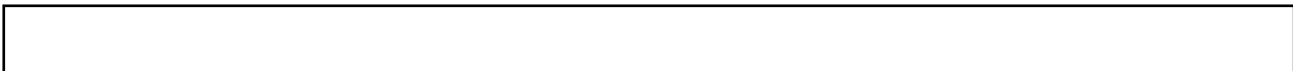
Kobari)

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Synopsis :

Kwasaki Steel has developed dull-finished stainless steel sheets for building use. Their main features are: (1) soft tone appearance, (2) good flatness, (3) excellent surface uniformity, and (4) availability of three different surface finishes (i.e., rough tone, fine tone, and the emboss-dull finish which is characterized by emboss patterns on the reverse side). Color variation in combination with the FANCY COAT COLOR system is also available. The dull-finished stainless steel sheets with rough tone have been successfully used for the exterior walls of the annex of Kawasaki Steel's Research Laboratories.

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Exterior Panel

要旨

川崎製鉄では、建築内・外装用の新しいダル仕上げステンレスを

Table 1 Comparison of manufacturing methods of dull finished stainless steel

	Manufacturing process	Merits	Demerits
Roll method	Rolling with rolls engraved by spark etching, chemical etching, blasting, laser etching, and	<ol style="list-style-type: none"> 1. Excellent flatness 2. High productivity 	<ol style="list-style-type: none"> 1. Unsuitable for small lot production

Table 2 Variety of Kawasaki Steel's dull finished stainless steel and their features

Description	Features
Dull finish (rough tone)	<ul style="list-style-type: none"> • Dull finish with relatively rough surface profile • Random emboss-like appearance at close look
Dull finish (fine tone)	<ul style="list-style-type: none"> • Dull finish with relatively fine surface profile

Table 3. Durability of clear coatings (post coat) on dull finished (rough type) stainless steel.

Test item	Conditions	Results	
		Fluoro-resin paint	Silicon-acrylic resin paint
Hardness	Pencil Test (JIS)	3 H	4 H
Boiling water	500 h in boiling water	Normal	Normal
Complex-cycle test	[SST 4 h → Dry(60°C)2 h → Wat(50°C_0.5h/PL)2h] 10 cycle	Normal	Normal

