

マグネシウム素材用高耐食性コーティング剤

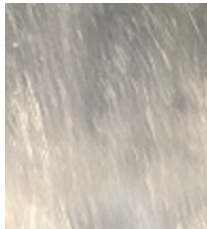
High-corrosion resistant coating solution for magnesium

Protector HB-7550


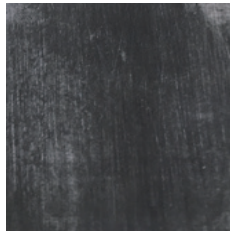
- 150°Cの熱処理で耐食性に優れた透明なシリカ系薄膜を形成
Form silica-based thin coating by heat treatment above 150°C, realize high corrosion resistance by transparent films
- 腐食しやすいマグネシウム素材の耐食性を向上
Improve corrosion resistance of easily-corrosive magnesium materials
- 耐人工汗性に優れる
Excellent in artificial sweat resistance

抜群の耐食性 Outstanding corrosion resistance



塩水噴霧試験 Salt spray test

	24h	240h
Protector HB-7550 AZ91D		
	錆なし No rust	
AZ91D		錆発生 Rust

熱水試験 Hot-water boiling test

Protector HB-7550 AZ91D	AZ91D
	
6h	1h

人工汗試験 Artificial sweat test

Protector HB-7550 AZ91D	AZ91D
	
48h	12h

透明性に優れた皮膜 膜特性 Highly transparent film property

膜硬度 Film hardness	傷つき硬度*1 Scratch hardness*1	3H
	破壊硬度*1 Fracture hardness*1	5H
密着性*2 Adhesion*2	100/100 (剥離なし No peel-off)	
透過率 Transparence	93%	
ヘイズ Haze	2.0%	
推奨膜厚 Recommended thickness	10~20μm 10 to 20μm	

*1 鉛筆硬度試験 (JIS K5600-5-4準拠) Pencil hardness test (Conforming to JIS K5600-5-4)

*2 クロスカットテープ剥離試験 Cross cut tape test