

Al-Zn Alloy-Coated

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热 镀 铝 锌



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■ 热镀铝锌钢板的定义

Definition of the hot-dip Al-Zn coated steel sheet

→ AZ镀层为连续热镀生产线上,将经过预处理的钢 带浸入熔融铝锌合金溶液中所得到的镀层。熔融铝锌 合金溶液中铝的质量百分数为50%~60%,硅的质量 百分数为1%~2%,其余成分为锌。融合了AI的物理保 护和高耐久性以及Zn的电化学保护特性。此外,在表面 呈具有高装饰性的光亮银灰色泽及规则的花纹,并具 有浮凸感。

AZ coating is a coating obtained by immersing pre treated steel strip into a molten aluminum zinc alloy solution on a continuous hot-dip coating production line. The mass percentage of aluminum in the molten aluminum zinc alloy solution is 50% to 60%, the mass percentage of silicon is 1% to 2%, and the remaining components are zinc. It enjoys both the physical protective feature and durability of Al and the electrochemical protective property of Zn. And its surface has bright silver color and regular embossed-like figure, which are highly decorative.



正常(不平整) 锌花 Normal (non-skinpassed) spangle

平整锌花 Skinpassed spangle

常规锌花 Regular spangle



小锌花 Minimized spangle

■ 热镀铝锌钢板的特性

Characteristics of the hot-dip Al-Zn coated steel sheet

宝钢针对产品进行了测试和检验,实绩数据供参考,供货保证值按照相应订货标准。

Baosteel has conducted tests and inspections on products, and the actual performance data are for reference. The supply guarantee value is in accordance with the corresponding ordering standards.

盐雾试验

Salt spray test



耐蚀性

Resistance to corrosion



→ 比同等厚度的热镀锌钢板有优异的耐腐蚀性,使用 寿命是普通镀锌钢板的2-6倍。

Al-Zn coated steel sheet has better performance in corrosion resistance than GI sheet of the same thickness and its service life is 2-6 times longer than general GI sheet.



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→ 缺陷处发生了电化学保护反应:

Iron base

阳极反应:Zn-2e=Zn²⁺(镀层失去电子,牺牲溶解) **阴极反应:Fe²⁺+2e=Fe**(铁得到电子,受到保护)

A reaction of electrochemical protection occurs at such where base metal is exposed:

anodic reaction: Zn-2e=Zn²⁺ (The alloy coating loses electron) cathode reaction: Fe²⁺+2e=Fe (Fe gains electron reaction, being protected)





Outstanding Heat-Insolation, life always pleasing.

使用中的注意点

Precautions while using

- 碱性介质的使用条件下慎用镀铝锌板。
- 采用镀铝锌建筑的屋面应具有一定坡度,有利于排水,避免腐蚀加剧。
- 避免直接接触湿的水泥和湿的木材、铅、铜、石墨。
- 应尽可能使用切边板而避免在工地现场进行切割。
- 加工、堆放时应防止受潮和高温引起耐指纹膜发黑。
- 用于发泡粘结用途的镀铝锌钢板,在第一次使用时要 进行小批量试验,防止粘结性能不良。
- 表面清洁不建议使用酒精类的溶剂进行擦拭、清洗, 如需使用请先进行小样试验,避免对表面皮膜造成损伤。

- The hot-dip Al-Zn coated steel should be kept away from the alkaline medium.
- The roof made out of the hot-dip Al-Zn coated steel requires a slope to help drainage and to alleviate corrosion.
- The hot-dip Al-Zn coated steel plate should have no direct contact with foundation concrete, wet wood, steel, lead and graphite.
- Use trimmed plate rather than the plate to be cut plate at jobsite.
- While the steel plate is piled and processed, its finger-print proof film should be protected from getting black due to dampness and high temperature.
- If the hot-dip Al-Zn coated steel is used for foaming and bonding application, then, small-lot test is needed for the initial use, in order to prevent the poor bonding.
- If the hot-dip Al-Zn coated steel need to be cleaned,we do not suggest to be cleaned with ethanol. If must to be used, small-lot is needed for the initial use, in order to prevent the damage of the coating.

热镀铝锌钢板用途 Application of hot-dip Al-Zn coated steel sheet



建筑业

民用和工业用建筑的屋顶、外墙、彩涂基板、车库门、栅 栏、百叶窗、通风管道等

Architecture

Roofs and outside walls of civilian and industrial buildings, garage doors, fencings and window blinds

Architecture

Industrial Instruments

工业仪表 电控柜、工业冷冻柜、自动售货机等

Industrial Instruments

Electric control cabinet, industrial refrigeration equipment, automatic vending machine





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家电业

(5) BAOS

洗衣机、冰箱、电视机、空调、烤箱、通风系统外覆盖件、 防爆带钢、太阳能热水器、电器部件等

Appliances Industry

Outer clad sheets for washing machine, refrigerator, television, air conditioner and ventilation system, explosion-proof strip, solar water heater and appliance parts

Appliances Industry



其他

汽车消音器、尾气管和催化转换器的防热罩、汽车车体 底部零件、高速公路标志牌、汽车小喇叭、小五金等

Other

Other

Muffler, heat shields of exhaust pipe and catalytic converter, auto parts & accessories under the frame, signboard in highway











普洛斯物流屋面 宝钢S350GD+AZ180,





天津西门子厂房屋面 宝钢S350GD+AZ180,





芜湖美的厂房屋面





	耐指纹性能对比 Comparison of anti-finger p	rint	STEEL	(II-) BAOSTHE
	性 能 Performance	N5无铬耐指纹 产品-适用户内家电 Non-chromate anti-fingerprint-suitable for household appliances	N有铬耐指纹 产品-适用户外建筑 Anti-fingerprint-suitable for outdoor architecture	NW高耐蚀良加工耐指纹 产品-适用户外家电及建筑 Weathering non-chromate anti-fingerprint-suitable for outdoor appliances and architecture
-	耐蚀性 Corrosion resistance	\bigtriangleup	O	O
	耐候性 Weathering resistance	Ø	0	O
	润滑性 Lubricating property	Δ	0	0 031111
	抗加工发黑性 Anti-blackening after forming		0	
	耐黑变性 Anti-blackening property	0	Δ	O
	耐化学介质性 Chemical reagent resistance	O	O	0
	环保 Environment protection	O	含Cr	O

说明:◎优秀 Note: \bigcirc Excellent \bigcirc Good \triangle Normal

○好 $\triangle -$ 般

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耐蚀性 - 中性盐雾 Corrosion resistance-Salt spray test 平板 杯突 6mm 杯突 6mm+脱脂后 溶剂擦试后 划X Flat panel Erichsen Cross cut Erichsen after degrease After wiped with solvent (240h) (120h) (120h) (96h) (120h) 高耐蚀良加工GL Weathering non-chromate anti-fingerprint 普通无铬耐指纹GL Non-chromate anti-fingerprint 有铬耐指纹GL Anti-fingerprint

耐候性 Weathering resistance 紫外光老化 QUV



耐黑变性 Anti-blackening property

耐碱 Alkali resistance





耐水煮 Boiling water resistance







耐化学介质等其他性能

Chemical reagent resistance and etc

	耐酒精 Anti-alcohol	耐丁酮 Anti-MEK	耐脱脂 Anti-alkali	涂装性 Paintablity	导电性 Electroconductivity	环保 Pro-environment
高耐蚀良加工GL Weathering non-chromate anti-fingerprint	0	0	0	O	Δ	0.0
普通无铬耐指纹GL Non-chromate anti-fingerprint	0	G	O	O	°G	O
有铬耐指纹GL Anti-fingerprint	0	0	O	O	O	×

◎优 ○良 △中 ×差

 \bigcirc Excellent \bigcirc Good \triangle Normal \times Bad

Specs of Baosteel's hot-dip Al-Zn coated steel sheets 宝钢热镀铝锌钢板产品规格



产线介绍 About production line

宝钢现有两条热镀铝锌机组,设计产能45万吨/年,产品 厚度范围0.30-2.5mm,宽度范围700-1250mm,产品种 类主要有冷成形用和结构用,可广泛应用于建筑、家电、 工业仪表、汽车等行业。 Baosteel has two hot-dip Al-Zn coated steel production lines. The designed capacity totals 450,000 t/a of hot-dip Al-Zn coated steel with the specification of 0.30-2.5 mm thick and 700-1,250 mm wide. Its main products include cold forming steel and structural steel. They are widely used for such industries as the architecture, the home appliances, the industrial instruments and the automobiles as well.



热镀铝锌工艺流程 Hot-dip Al-Zn coating process

热镀铝锌(机组能力) Specs of hot-dip Al-Zn coated steel sheets(Designed capa	bility)
项目 Item	公称尺寸 Nominal Dimension
公称厚度 Nominal Thickness	0.30-2.5mm
公称宽度 Nominal Width	700-1250mm
钢带内径 Nominal inside diameter of steel strip	508mm / 610mm



若按Q/BQB 425-2023标准供货,执行如下。

If supply according to Q/BQB 425-2023 standard, as follows:

热镀铝锌可供钢种

Steel grades of hot-dip Al-Zn coated steel sheets

牌 号 Grade		用 途 Application
DC51D+AZ		
DC52D+AZ		冷成形用
DC53D+AZ		Cold forming
DC54D+AZ		
S250GD+AZ		
S300GD+AZ		
S350GD+AZ		结构用 Structural
S450GD+AZ		
S550GD+AZ		
8103	(L) BAO?	(L) BAOS

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热镀铝锌力学性能

Mechanical properties of hot-dip Al-Zn coated steel sheet

G	拉伸试验 ^{a, b, c} Tension Test	G
屈服强度 MPa Yield strength	抗拉强度 MPa Tensile strength	断后伸长率 % 不小于 Elongation % No less than Aᡂmm
190~360	270~500	22
140~300	270~420	26
140~260	270~380	30
120~220	260~350	36
	屈服强度 MPa Yield strength 190~360 140~300 140~260	Tension Test 屈服强度 MPa Yield strength 抗拉强度 MPa Tensile strength 190~360 270~500 140~300 270~420 140~260 270~380

a 当屈服现象不明显时采用R_{P0.2},否则采用R_{eL}。

^b 拉伸试验试样为GB/T 228.1中的P6试样,试样方向为横向样。

⁶ 当产品公称厚度大于0.50mm,但小于等于0.70mm时,断后伸长 率允许下降2个单位;当产品公称厚度不大于0.50mm,断后伸长 率允许下降4个单位。 ^a When yield is not obvious, RP0.2 is to be used. Otherwise, use ReL.
 ^b The tensile test sample is same as the P6 sample in GB/T228.1. This is a transversal sample.

^c When the nominal thickness of the steel is between 0.50 mm and 0.70 mm, the specific elongation after rupture is allowed to have 2 units lowered. But, when the nominal thickness of the steel is no greater than 0.50 mm, the specific elongation after rupture is allowed to have 4 units lowered.

	拉伸试验 ^{a, b, c} Tension Test					
牌 号 Grade	屈服强度 MPa 不小于 Yield strength 石拉强度 MPa 不小于 Tensile strength		不小 Elonga	后伸长率 % 不小于 ongation % o less than		
	No less than	No less than	A ₈₀ mm	A ₅₀ mm		
S250GD+AZ ^d	250	330	19	-		
S300GD+AZ ^d	300	380	18	-		
S350GD+AZ ^d	350	420	16	-		
S450GD+AZd	450	480	15	-		
S550GD+AZ ^{e, f}	550	550	-	2		

^a 拉伸试验试样为纵向样。

^b 屈服强度采用R_{P0.2}。

°当产品公称厚度不大于0.70mm时,断后伸长率允许下降2个单位。

^d 试样为GB/T 228.1中的P6试样。

◎ 试样为JIS Z 2241规定No.5的试样。

f 对于牌号为S550GD+AZ的产品,当产品厚度不大于0.7mm时,由于 厚度减薄效应,导致伸长率过低,以致无法测得到屈服强度。此时,屈 服强度用抗拉强度代替。 ^a Longitudinal sample is used for tensile testb.

^b RP0.2 is adopted for Yield strength.

^c When the nominal thickness of the steel is no greater than 0.70 mm, the specific elongation after rupture is allowed to have 2 units lowered.

^d The sample is same as the P6 sample in GB/T228.1.

^e The sample is same as the No.5 sample in JIS Z 224.

^f For the steel grade S550GD+AZ, when the product thickness is no more than 0.7 mm, due to the thickness reduction effect, the elongation is too low and the yield strength cannot be tested. For this case, the yield strength can be replaced by tensile strength.



Weight of hot-dip Al-Zn coating

推荐的公称镀层重量列于下表中,如需方有特殊要求, 经供需双方协议,亦可提供其它镀层重量。考虑到建筑 用途用钢板的使用环境,推荐使用的最小公称镀层重量 为50/50 g/m²。

注:随着镀层重量的增加,产品的成形性能和焊接性能可能会变差,因此,在确定镀层重量时,应考虑产品加工时的成形性要求和 焊接性要求。 The recommended nominal coating mass are shown in table. If the purchaser has special requirement, other coating mass may be provided upon agreement between the buyer and the supplier. Considering the environmental conditions of the steel sheet for the construction application, the recommended minimum nominal coating mass is 50/50 g/m².

Note: As the coating mass increases, the formability and welding property will get worse. Therefore, when determining the coating mass, the formability and weldability requirements of products shall be considered in the processing.

镀层种类	推荐的公称镀层重量 ^a g/m ²
Coating type	Recommended coating weight
	30/30, 40/40, 50/50, 60/60, 75/75, 90/90

a: 50g/m²镀层重量,约等于镀层厚度为13.3µm.

a: Coating mass 50g/m², equals to a coating thickness of 13.3µm approximately.

热镀铝锌表面结构和表面处理 Surface finish and treatment of hot-dip Al-Zn coated steel sheet

项目 分类 代号 Item Classification Symbol 镀层种类 铝锌合金镀层 ΑZ Al-Zn alloy Coating type 正常锌花 R Regular spangle 镀层表面结构 正常小锌花 М Surface finish Minimized spangle 平整处理 S Skin passed 无铬钝化 C5 Non-chromate passivated 无铬钝化+涂油 CO5 Non-chromate passivated+oiling 普通耐指纹 Ν Anti-fingerprint 无铬耐指纹 N5 Non-chromate anti-fingerprint 表面处理 无铬高耐候耐指纹 Surface treatment NW Non-chromate high duralbe anti-finger treatment 无铬高耐候耐指纹 NW Non-chromate high weather resistance anti-fingerprint 涂油 0 Oiling 不处理 υ No treatment

尺寸允许偏差 Dimension tolerance

厚度允许偏差 Thickness tolerance

钢板及钢带的尺寸和外形允许偏差应符合 Q/BQB 401 的规定。牌号为 S450GD+AZ、 S550GD+AZ、的钢板, 其厚度允 许偏差应符合 Q/BQB 401-2019 中表 4 (规定最小屈服强度 260MPa~<360MPa)的要求, 不平度最大允许偏差应符 合 Q/BQB 401-2019 中表 11 (规定最小屈服强度 260MPa~<360MPa)的要求。

The tolerance in dimensions and shape of steel plates and strips should comply with the provisions of Q/BQB 401. The allowable thickness tolerance of steel plates with grades S450GD+AZ and S550GD+AZ should comply with the requirements of Table 4 (minimum yield strength of 260MPa~ <360MPa) in Q/BQB 401-2019, and the flatness tolerance should comply with the requirements of Table 11 (minimum yield strength of 260MPa~ <360MPa) in Q/BQB 401-2019.

规定的最小 屈服强度	公称厚度	The th			享度允许偏差,i for the following	mm nominal widths, m	nm
DELINATE DELINATION	Nominal		普通精度 PT.A			高级精度 PT.B	
yield strength	Thickness		nmon precise F		High	n-level precision	
MPa	mm	≤1200	>1200~1500	>1500	≤1200	>1200~1500	>1500
	0.17~0.30	±0.02	±0.025	-	±0.015	±0.020	-
	>0.30~0.40	±0.03	±0.03	±0.04	±0.020	±0.025	±0.030
<260	>0.40~0.60	±0.03	±0.04	±0.04	±0.025	±0.030	±0.035
	>0.60~0.80	±0.04	±0.04	±0.05	±0.025	±0.030	±0.035
	>0.80~1.00	±0.05	±0.06	±0.06	±0.030	±0.035	±0.040
	>1.00~1.20	±0.06	±0.06	±0.07	±0.035	±0.040	±0.050
	>1.20~1.60	±0.08	±0.08	±0.09	±0.040	±0.050	±0.060
	>1.60~2.00	±0.09	±0.10	±0.11	±0.050	±0.060	±0.070
	>2.00~2.50	±0.11	±0.12	±0.13	±0.070	±0.080	±0.090
	>2.50~3.00	±0.13	±0.13	±0.15	±0.090	±0.100	±0.110
	>3.00~3.50	±0.15	±0.17	±0.17	±0.120	±0.130	±0.130
260~<360	0.30~0.40	±0.03	±0.04	±0.05	±0.025	±0.030	± 0.035
	>0.40~0.60	±0.04	±0.05	±0.05	±0.030	±0.035	± 0.040
	>0.60~0.80	± 0.04	±0.05	±0.06	±0.030	±0.035	\pm 0.045
	>0.80~1.00	±0.05	±0.06	±0.07	±0.035	±0.040	± 0.050
	>1.00~1.20	± 0.06	±0.07	±0.08	±0.040	±0.050	± 0.060
	>1.20~1.60	±0.08	±0.10	±0.11	±0.050	±0.060	±0.070
	>1.60~2.00	±0.11	±0.12	±0.13	±0.060	±0.070	\pm 0.090
	>2.00~2.50	±0.13	±0.14	±0.15	±0.090	±0.100	±0.110
	>2.50~3.00	±0.15	±0.16	±0.17	±0.110	±0.120	±0.130
	>3.00~3.50	±0.18	±0.21	±0.21	±0.150	±0.160	±0.160
	0.30~0.40	±0.04	±0.05	±0.05	±0.030	±0.035	± 0.040
	>0.40~0.60	±0.05	±0.05	±0.06	±0.035	±0.040	± 0.050
	>0.60~0.80	±0.05	±0.06	±0.07	±0.040	±0.050	± 0.055
	>0.80~1.00	± 0.06	±0.07	±0.08	±0.050	±0.055	± 0.060
360~420	>1.00~1.20	±0.08	±0.09	±0.10	±0.055	±0.065	± 0.070
000 420	>1.20~1.60	±0.10	±0.11	±0.12	±0.070	±0.075	± 0.090
l.	>1.60~2.00	±0.13	±0.14	±0.15	±0.080	±0.090	±0.100
	>2.00~2.50	±0.15	±0.16	±0.17	±0.100	±0.110	±0.120
67	>2.50~3.00	±0.17	±0.18	±0.19	±0.120	±0.130	±0.140
_0/	>3.00~3.50	±0.22	±0.25	±0.25	±0.190	±0.200	± 0.200
	0.30~0.40	±0.05	±0.06	±0.07	±0.035	±0.040	±0.050
	>0.40~0.60	±0.06	±0.06	±0.07	±0.040	±0.050	±0.060
	>0.60~0.80	±0.06	±0.07	±0.09	±0.050	±0.060	±0.070
	>0.80~1.00	±0.08	±0.09	±0.10	±0.060	±0.070	±0.080
>420	>1.00~1.20	±0.09	±0.10	±0.12	±0.070	±0.080	±0.100
> 420	>1.20~1.60	±0.12	±0.13	±0.15	±0.080	±0.100	±0.110
	>1.60~2.00	±0.15	±0.16	±0.18	±0.100	±0.110	±0.130
	>2.00~2.50	±0.18	±0.19	±0.21	±0.120	±0.130	±0.150
	>2.50~3.00	±0.21	±0.22	±0.23	±0.150	±0.160	±0.170
	>3.00~3.50	±0.23	±0.25	±0.25	±0.190	±0.200	±0.200

Specs of Baosteel's hot-dip Al-Zn coated steel sheets 宝钢热镀铝锌钢板产品规格



BASSIE



钢板及钢带的宽度允许偏差应符合下表规定 The plate or strip width tolerances should be in conformity with Table

边缘状态 Edge condition	公称宽度, mm Nominal width, mm	宽度允许偏差 (PW.A) , mm Width tolerance (PW.A) , mm
	600~1200	0~+5
不切边(EM) Mille edge(EM)	>1200~1500	0~+6
	>1500	0~+7



宝钢企业牌号与引用标准相近牌号的对照表

Comparison list of Baosteel's steel grade and corresponding steel grade

Q/BQB 425	QB/T 14978	AS 1397	EN 10346	ASTM A792M	JIS G 3321
DC51D+AZ	DX51D+AZ	G2+AZ	DX51D+AZ	CS type B CS type C	SGLCC
DC52D+AZ	DX52D+AZ	G3+AZ	DX52D+AZ	DS	SGLCD
DC53D+AZ	DX53D+AZ		DX53D+AZ	_	SGLCDD
DC54D+AZ	DX54D+AZ		DX54D+AZ		
S250GD+AZ	S250GD+AZ	G250+AZ	S250GD+AZ	SS 255	_
S300GD+AZ	S300GD+AZ	G300+AZ		_	SGLC400
S350GD+AZ	S350GD+AZ	G350+AZ	S350GD+AZ	SS 345 Class1	SGLC440
S450GD+AZ	_	G450+AZ	_	SS 410 SS 480	SGLC490
S550GD+AZ	S550GD+AZ	G550+AZ	S550GD+AZ	SS 550 Class1	SGLC570

宝钢可对照上表提供对应标准及对应牌号的产品

Product warranty of Baosteel's hot-dip Al-Zn coated steel sheets het-dip Al-Zn coated steel sheets 中國法共



Product warranty of Baosteel's hot-dip Al-Zn coated steel sheets 宝钢热镀铝锌产品承诺书



宝钢热镀铝锌产品承诺书



Baosteel hot-dip aluminum zinc alloy coated product's reports and certificates 宝钢热镀铝锌产品报告与证书

	SG	S				
	检测报告	编号: SHAEC24007569814	日期: 2024年05月10日	第1页,共13页		
	客户名称;	宝山钢铁股份有限公司梅山基地				
	客户地址:	江苏省南京市中华门外新建				
	10.00					
	样品名称: 以上样品及信	热镀铝锌无铬耐指纹 息由客户提供。	(N5)			
	SGS 工作编号 样品接收时间					
6	检测周期;	2024年04月22日-	- 2024年04月26日			6
0%	检测要求:	根据客户要求检测。	0			0%
	检测方法。	见后续真。			0	
	检测结果;	见后续页。				
	检测要求 回忆型 RoHS 打	指令 2011/65/EU 图录Ⅱ的修正指令(E	EU) 2015/863-铅、汞、镉、六	结论		
	价格, 多溴印	底苯 (PBB)、多溴二苯醚 (PBDE)、邻 苯二甲酸丁苄酯 (BBP),邻苯二甲酸	苯二甲酸二(2-乙基己基)曲	符合		
	价格、多溴耶	告令 2011/85/EU 附录Ⅱ的修正指令(E 质苯(PBB)、参浪二苯醚(PBDE)、参测 BBP)、参苯二甲酸二(2-乙基已基)酯(专二甲酸二丁酯 (DBP)、邻苯二	符合		
		收(PFOS)及其衍生物和全氮辛酸(PFO	AA)及其盐	见检测结果		
	道标标准技术 授权整名 Sue Sheng 题 批准签署人	服务 (上海) 有限公司 1 代 8变舒		A D Here The macon Marcal States States of the second States of		

57	202	20
SGS	G	G
Client Name: BAOSHAN	Io.: SHAEC24007569813 Date: May 10, NRON & STEEL CO., LTD. (MEISHAN BASE) ZHONGHUAMEN, NANJING, JIANGSU, CHINA	2024 Page 1 of 14
Sample Name:	Hot-dip aluminum-zinc alloy coated steel, chromium	n-free anti-fingerprint (N5)
	nformation were provided by the client.	
2000 Lik Ni	0.0004.044557	
SGS Job No.: Sample Resolutes Date:	SHP24-011557	
Sample Receiving Date: Testing Period:	Apr 22, 2024 Apr 22, 2024 ~ Apr 26, 2024	
Test Requested:	Apr 22, 2024 ~ Apr 26, 2024 Select test(s) as requested by the client.	
Test Method(s):	Please refer to next page(s).	
Test Result(s):	Please refer to next page(s).	
Test Requirement		Conclusion
(PBB), Polybrominated di (DEHP), Butyl benzyl phtl phthalate (DIBP) EU RoHS Directive (EU) 2011/65/EU- Lead, Mercu biphenyls (PBB), Polybro	n, Hexavalent chromium, Polybrominated biphenyls phenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate halate (BBP), Dibutyl phthalate (DBP) and Diisobutyl 2015/863 amending Annex II to Directive iry, Cadmium, Hexavalent chromium, Polybrominated minated diphenyl ethers (PBDE), Bis(2-ethylhexyl) enzyl phthalate (BBP), Dibutyl phthalate (DBP) and	Pass Pass
Disobutyl phthalate (DIB) Perfluorooctane sulfonate	 P) s (PFOS) and its derivatives and Perfluorooctanoic 	Can Basulin
acid (PFOA) and its salts		See Results
Signed for and on behalf of SGS-CSTC Standards Ter Sue Sheng Approved Signatory	f chnical Services (Shanghai) Co., Ltd.	scan to see the report
	WE REALL EN DISCONCERCINE AND A LEWIS	In General Couldions of Barvice printed and an analysis of the second state of Barling And Alexandron of December Lange and the second state of the counter of the the second down of a counter of the second state of the second down of the second the reproduced of the second down of the reproduced of the second states of the second of the second states of the second of the second states of the second states of the second states of the second s

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Baosteel hot-dip aluminum zinc alloy coated product's reports and certificates 宝钢热镀铝锌产品报告与证书



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