

产品质量证明书

MILL'S TEST CERTIFICATE

冠县仁泽复合材料有限公司
 GUANXIAN RENZE COMPOSITE MATERIALS CO., LTD.
 地址: 中国山东聊城冠县新世纪工业园
 Address: Guan Xian industry Park, Liaocheng, Shandong, China

订货单位 CUSTOMER									钢号	SGCC					产品名称 PRODUCT		HDGI SHEET	
收货单位 PURCHASER															签发日期 DATE OF ISSUE		2025/7/24	
标准 SPECIFICATION		ASTM A653 CS-B													合同号 CONTRACT NO.		2025BB112	
托号 No.	重量 WEIGHT	片数	成品规格 Size(mm)	表面处理 surface treatment	盐雾试验 salt spray test	The composition		镀层质量 coating mass (g/m ²)	化学成分 CHEMICAL COMPOSITION(%)					力学性能 MECHANIC PROPERTIES				
						Al	Zn		C	Mn	Si	P	S	R _{eL} (N/mm ²)	R _m (N/mm ²)	A (%)	HRB	
1983-001	2.779	145	0.8*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.0075	0.007	335	387	31	64	
1983-002	2.78	145	0.8*1000*3000	CHROMATED	72h	0.9	99.1	185	0.038	0.33	0.009	0.008	0.008	334	384	33	65	
1983-003	2.782	145	0.8*1000*3000	CHROMATED	72h	0.9	99.1	182	0.037	0.34	0.009	0.008	0.008	326	376	32	64	
1983-004	2.781	145	0.8*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.008	0.008	331	379	33	63	
1983-005	2.786	145	0.8*1000*3000	CHROMATED	72h	0.9	99.1	184	0.036	0.35	0.009	0.0075	0.007	331	381	31	64	
1983-006	2.792	145	0.8*1000*3000	CHROMATED	72h	0.9	99.1	183	0.038	0.33	0.009	0.008	0.008	331	381	31	64	
1983-007	2.78	145	0.8*1000*3000	CHROMATED	72h	0.9	99.1	185	0.037	0.34	0.009	0.008	0.008	334	386	33	65	
1983-008	2.765	144	0.8*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.008	0.008	326	376	32	64	
1983-009	2.762	144	0.8*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.0075	0.007	331	379	33	63	
1983-010	2.762	144	0.8*1000*3000	CHROMATED	72h	0.9	99.1	186	0.038	0.33	0.009	0.008	0.008	331	381	31	64	
1983-011	2.763	144	0.8*1000*3000	CHROMATED	72h	0.9	99.1	184	0.037	0.34	0.009	0.008	0.008	334	386	33	65	
1983-012	2.793	145	0.8*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.008	0.008	326	376	32	64	
1983-013	2.922	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.0075	0.007	331	383	31	64	
1983-014	2.923	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.0075	0.007	334	386	33	65	
1983-015	2.92	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	186	0.038	0.33	0.009	0.008	0.008	326	376	32	64	
1983-016	2.921	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	184	0.037	0.34	0.009	0.008	0.008	331	379	33	63	

1983-017	2.922	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.0075	0.007	336	383	31	64
1983-018	2.926	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.038	0.33	0.009	0.008	0.008	334	386	33	65
1983-019	2.916	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.037	0.34	0.009	0.008	0.008	326	376	32	64
1983-020	2.917	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.008	0.008	331	379	33	63
1983-021	2.915	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.0075	0.007	336	387	31	64
1983-022	2.915	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	184	0.038	0.33	0.009	0.008	0.008	334	384	33	65
1983-023	2.921	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	183	0.037	0.34	0.009	0.008	0.008	326	376	32	64
1983-024	2.913	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.008	0.008	331	379	33	63
1983-025	2.922	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.0075	0.007	331	381	31	64
1983-026	2.928	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	186	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-027	2.925	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	184	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-028	2.928	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-029	2.926	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.0075	0.007	331	379	33	63
1983-030	2.924	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-031	2.927	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	182	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-032	2.927	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-033	2.931	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	184	0.036	0.35	0.009	0.0075	0.007	331	383	31	64
1983-034	2.927	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.0075	0.007	336	387	31	64
1983-035	2.927	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.0075	0.007	335	387	31	64
1983-036	2.924	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	182	0.038	0.33	0.009	0.008	0.008	334	384	33	65
1983-037	2.926	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	186	0.037	0.34	0.009	0.008	0.008	326	376	32	64
1983-038	2.908	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	184	0.036	0.35	0.009	0.008	0.008	331	379	33	63
1983-039	2.912	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.0075	0.007	331	381	31	64
1983-040	2.912	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-041	2.912	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-042	2.915	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-043	2.868	237	0.5*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.0075	0.007	331	379	33	63
1983-044	2.931	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	184	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-045	2.932	241	0.5*1000*3000	CHROMATED	72h	0.9	99.1	183	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-046	2.944	243	0.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-047	2.61	214	0.5*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.0075	0.007	331	383	31	64
1983-048	2.832	196	0.6*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.0075	0.007	334	386	33	65
1983-049	2.832	196	0.6*1000*3000	CHROMATED	72h	0.9	99.1	184	0.038	0.33	0.009	0.008	0.008	326	376	32	64

1983-050	2.83	196	0.6*1000*3000	CHROMATED	72h	0.9	99.1	183	0.037	0.34	0.009	0.008	0.008	331	379	33	63
1983-051	2.83	196	0.6*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.0075	0.007	336	383	31	64
1983-052	2.828	196	0.6*1000*3000	CHROMATED	72h	0.9	99.1	185	0.038	0.33	0.009	0.008	0.008	334	386	33	65
1983-053	2.616	181	0.6*1000*3000	CHROMATED	72h	0.9	99.1	182	0.037	0.34	0.009	0.008	0.008	326	376	32	64
1983-054	2.746	115	1*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.008	0.008	331	379	33	63
1983-055	2.744	115	1*1000*3000	CHROMATED	72h	0.9	99.1	184	0.036	0.35	0.009	0.0075	0.007	336	387	31	64
1983-056	2.744	115	1*1000*3000	CHROMATED	72h	0.9	99.1	183	0.038	0.33	0.009	0.008	0.008	334	384	33	65
1983-057	2.747	115	1*1000*3000	CHROMATED	72h	0.9	99.1	185	0.037	0.34	0.009	0.008	0.008	326	376	32	64
1983-058	2.744	115	1*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.008	0.008	331	379	33	63
1983-059	2.728	114	1*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.0075	0.007	331	381	31	64
1983-060	2.723	76	1.5*1000*3000	CHROMATED	72h	0.9	99.1	184	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-061	2.725	76	1.5*1000*3000	CHROMATED	72h	0.9	99.1	183	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-062	2.726	76	1.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-063	2.745	76	1.5*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.0075	0.007	331	379	33	63
1983-064	2.722	76	1.5*1000*3000	CHROMATED	72h	0.9	99.1	182	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-065	2.693	75	1.5*1000*3000	CHROMATED	72h	0.9	99.1	186	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-066	2.925	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	184	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-067	2.926	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.0075	0.007	331	383	31	64
1983-068	2.925	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.0075	0.007	336	387	31	64
1983-069	2.926	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	182	0.038	0.33	0.009	0.008	0.008	334	384	33	65
1983-070	2.926	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	186	0.037	0.34	0.009	0.008	0.008	326	376	32	64
1983-071	2.925	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	184	0.036	0.35	0.009	0.008	0.008	331	379	33	63
1983-072	2.92	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.0075	0.007	331	381	31	64
1983-073	2.923	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-074	2.923	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-075	2.929	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-076	2.926	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.0075	0.007	331	379	33	63
1983-077	2.922	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	184	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-078	2.935	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	183	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-079	2.942	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.0075	0.007	335	387	31	64
1983-080	2.932	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	182	0.038	0.33	0.009	0.008	0.008	334	384	33	65
1983-081	2.931	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	186	0.037	0.34	0.009	0.008	0.008	326	376	32	64
1983-082	2.915	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	184	0.036	0.35	0.009	0.008	0.008	331	379	33	63

1983-083	2.912	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	183	0.036	0.35	0.009	0.0075	0.007	331	381	31	64
1983-084	2.925	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-085	2.923	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-086	2.921	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-087	2.927	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.0075	0.007	331	379	33	63
1983-088	2.927	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	184	0.038	0.33	0.009	0.008	0.008	331	381	31	64
1983-089	2.927	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	183	0.037	0.34	0.009	0.008	0.008	334	386	33	65
1983-090	2.924	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.008	0.008	326	376	32	64
1983-091	2.929	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	182	0.036	0.35	0.009	0.0075	0.007	331	383	31	64
1983-092	2.919	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.0075	0.007	334	386	33	65
1983-093	2.924	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	184	0.038	0.33	0.009	0.008	0.008	326	376	32	64
1983-094	2.919	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	183	0.037	0.34	0.009	0.008	0.008	331	379	33	63
1983-095	2.921	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.036	0.35	0.009	0.0075	0.007	336	383	31	64
1983-096	2.922	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.038	0.33	0.009	0.008	0.008	334	386	33	65
1983-097	2.922	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	182	0.037	0.34	0.009	0.008	0.008	326	376	32	64
1983-098	2.915	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	186	0.036	0.35	0.009	0.008	0.008	331	379	33	63
1983-099	2.934	295	0.4*1000*3000	CHROMATED	72h	0.9	99.1	184	0.036	0.35	0.009	0.0075	0.007	336	387	31	64
1983-100	2.302	230	0.4*1000*3000	CHROMATED	72h	0.9	99.1	183	0.038	0.33	0.009	0.008	0.008	334	384	33	65
1983-101	2.153	216	0.4*1000*3000	CHROMATED	72h	0.9	99.1	185	0.037	0.34	0.009	0.008	0.008	326	376	32	64
	288.694																



tensile strength A: percentage elongation after fracture

2、1 N/mm2=1 MPa

证明本表所列制品，均依材料规格制造及试验，并符合规格之要求

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULT IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.

质量部
DEPART