

FUSION BONDED EPOXY COATING TEST CERTIFICATE

Certificate No. : FF24T402/3

Date: Mar 15,2024

Item no.	Code	Size	Furnace No.	Qty	Item no.	Code	Size	Furnace No.	Qty
DUCTILE IRON BACKUP RING									
1	PN10/16	DN50/63	3010	500	13	SDR11	6"	3002	1500
2	PN10/16	DN100/110	3010	1850	14	SDR11	8"	3007	800
3	PN10/16	DN150/160	3010	560	15	SDR11	10"	3011	600
4	SDR7	1 1/4"	3005	400	16	SDR11	12"	3011	800
5	SDR7	2"	3012	800	17	SDR11	14"	3011	500
6	SDR7	3"	3005	700	18	SDR11	16"	3007	500
7	SDR7	4"	3005	1200	19	SDR11	18"	3007	300
8	SDR7	5"	3012	300	20	SDR11	20"	3011	200
9	SDR7	10"	3012	300	21	SDR11	22"	3007	100
10	SDR11	2"	3012	1000	22	SDR11	24"	3010	150
11	SDR11	3"	3002	1200					
12	SDR11	4"	3002	1800					

NO.	TEST ITEM	TEST RESULT	TECHNICAL INDICATORS	TEST METHOD
PERFORMANCE INDEX OF EPOXY POWDER COATINGS				
1	THERMAL PROPERTY// $\Delta H, J/g$	53.5	----	SY/T 0442-2008
2	THERMAL PROPERTY// $T_g, ^\circ C$	105.1	----	SY/T 0442-2008
3	PARTICLE SIZE DISTRIBUTION//150 μm POWDER ON SIEVE, %	0.53	----	GB/T 6554-2003/3.3
4	PARTICLE SIZE DISTRIBUTION//250 μm POWDER ON SIEVE, %	0	----	GB/T 6554-2003/3.3
COATING PERFORMANCE INDEX OF LABORATORY COATING SPECIMENS				
5	THICKNESS, μm	100	≥ 100	SY/T 4113.7-2020
6	HARDNESS	2H	$\geq 2H$	GB/T 6739-2006
7	CATHODIC DISBONDING, MM (65 $^\circ C$, 48H, -1.5V)"	3.4	----	SY/T 0315-2013
8	SECTION POROSITY, GRADE	2	----	SY/T 0315-2013
9	POROSITY OF BONDING SURFACE, GRADE	2	----	SY/T 0315-2013
10	BENDING RESISTANCE	2.5 $^\circ$, SEAMLESS	2.5 $^\circ$, SEAMLESS	SY/T 0442-2018
11	IMPACT RESISTANCE (NORMAL TEMPERATURE, 5J)	PASSIONLESS	PASSIONLESS	SY/T 0442-2018
12	ADHESION, MPa	38	----	GB/T 5210-2006
13	ELECTRICAL STRENGTH, MV/m	46.2	≥ 30	GB/T 1408.1-2016
14	SALT SPRAY RESISTANCE, GRADE (500h)	1	≤ 1	GB/T 1771-2007
15	WEAR RESISTANCE, mg (CS-17 WHEEL, 1000g/1000r)	37	≤ 100.00	GB/T 1768-2006
16	ADHESION, GRADE (75 $^\circ C$, 24h)	3	1~3	SY/T 0315-2013
17	CHEMICAL RESISTANCE//10% NaOH	THE ANTI-CORROSION COATING IS INTACT, WITHOUT BUBBLES OR PEELING OFF	THE ANTI-CORROSION COATING IS INTACT, WITHOUT BUBBLES OR PEELING OFF	GB/T 9274-1988 METHOD A
18	CHEMICAL RESISTANCE//10% H2SO4	THE ANTI-CORROSION COATING IS INTACT, WITHOUT BUBBLES OR PEELING OFF	THE ANTI-CORROSION COATING IS INTACT, WITHOUT BUBBLES OR PEELING OFF	GB/T 9274-1988 METHOD A
19	CHEMICAL RESISTANCE//3% NaCl	THE ANTI-CORROSION COATING IS INTACT, WITHOUT BUBBLES OR PEELING OFF	THE ANTI-CORROSION COATING IS INTACT, WITHOUT BUBBLES OR PEELING OFF	GB/T 9274-1988 METHOD A

COMPANY NAME: TAIYUAN FF FLANGES & FITTINGS CO.,LTD.

Signature::

Stamp:

