ICS
CCS

Technical code for ecological restoration of mines
Part 4 building materials mine

II
III
1
1
2
2
2
2
3
3
3
4
4
4
4
4
4
5
5
5
5
5
5
5
5
13
13
14
14
14
15
15
15
15
A 16
B 17
C 18
D PH 19
E 20
F 21
G

GB/T 1.1—2020 1

TD/T ×××× 4 TD/T ××××

—— 1
—— 2
—— 4
—— 5
—— 6
—— 7

SAC/TC93

—

TD/T × × × ×

TD/T × × × ×

7

——— 1
——— 2
——— 3
——— 4
——— 5
——— 6
——— 7

1 6

1

GB 2894
GB 3838
GB 5084
GB 11607
GB 15618
GB 36600
GB 50003
GB 50007
GB 50086
GB 50288
GB 50330
GB/T 13306
GB/T 15776
GB/T 16453.4
GB/T 32864
GB/T 38360
GB/T 38509
GB/T 50085
GB/T 50485
GB/T 50625
CJ/T 24
CJ/T 340
DZ/T 0220
DZ/T 0266
DZ/T 0284
DZ/T 0287
JTG/T 3610
JTG/T D33
JGJ 79
JT/T 1328

NY/T 1342
TD/T 1036
TD/T .1 1

1

1 4.1
4.1.2-4.1.4

1 4.2
4.2.2-4.2.3

—

1

1 5.1.2.1

a

PH

DZ/T 0284

GB/T 32864 DZ/T 0220

“ 1 A ”

“ 1

B ”

—

“

1 C ”

1 7.1.1 7.1.2 7.1.3 7.1.4 7.1.5

A

a

b

c 15m

d

e

a

GB 50086

b GB 50330

GB 50003 GB/T 38509

JGJ 79

a

GB 50003

GB/T 38509

b

JT/T 1328

a

b 60 ° 8m 75 ° 15m

—

c 5m 35 ° 5
10m 30 ° 8m 45 ° 8 15m 35 °
8m 60 ° 8 15m 50 °

d

e

1 8m 15m

2 8m 15m

3m 2m

6m

4m 8m 15m

f

a

b

GB 50003

a

b 8m 30 ° 15m
25 °

c 3 8m 4 6m
30 ° 12m 4 6m 30 ° 45 °

d

e

2m

a

b 10m
8m 3m 30 °

a

b

a GB/T 16453.4

b

1

2

3 “ ”

4

c

1

2

3

a

GB/T 16453.4

b

GB/T 16453.4

c

d

e

f

B

a

3

b 5

—

a
1 TD/T 1036
2
3
b
1

2
3 TD/T 1036
c
1
2 GB 50330 GB 50007

3 GB 36600
4

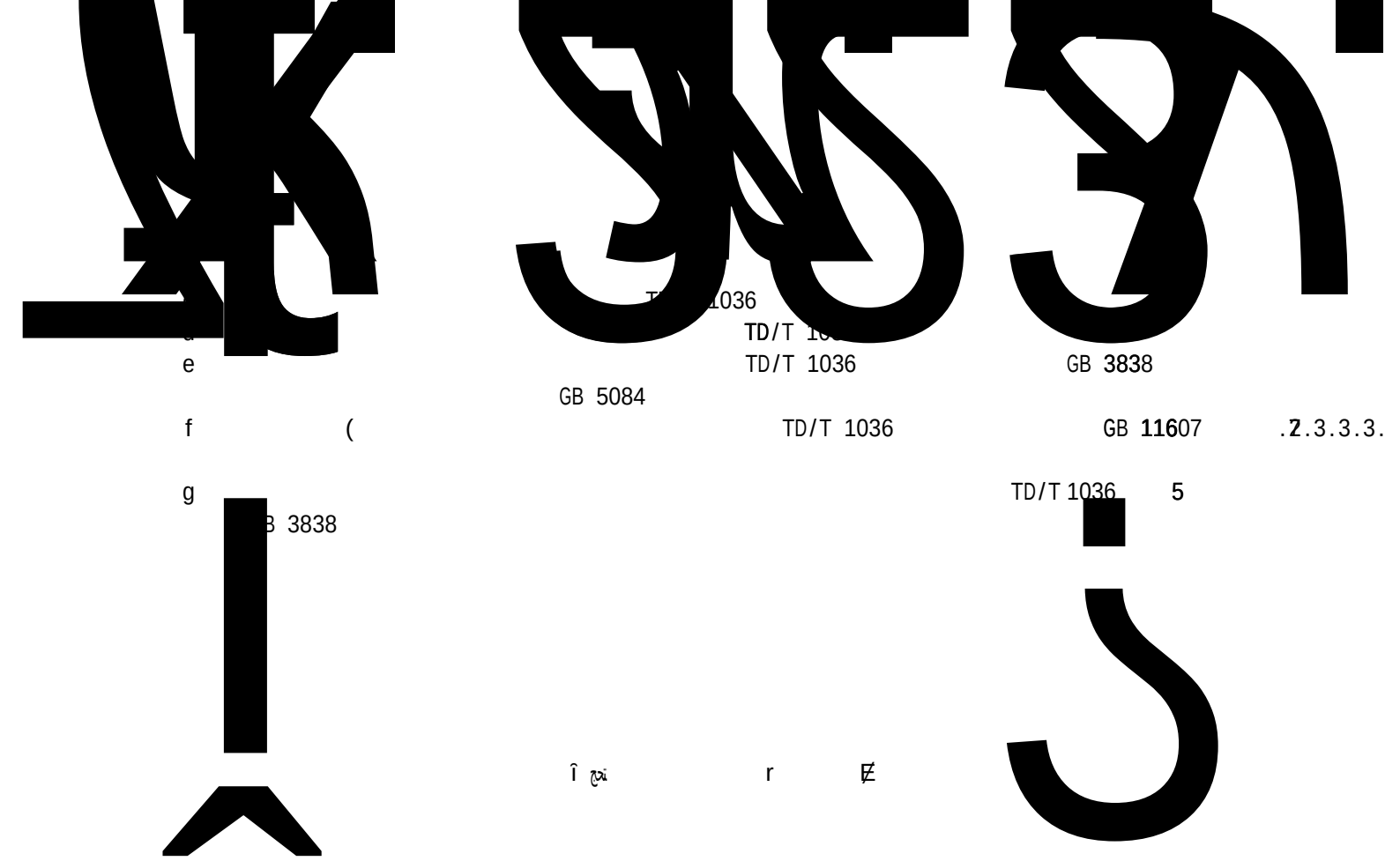
a
1
2

3 10 24
4
5
6 GB 3838 GB 5084

b (
1 0.5 1.0hm² 2 3m
2
3 10 24
4 GB 11607
5
c
1 2hm²
2
3
4
5 GB 3838

a

b



1036

TD/T 10

e TD/T 1036 GB 3838

GB 5084

f (TD/T 1036 GB 11607 .2.3.3.3.

g TD/T 1036 5

B 3838

î r

b

a

b

GB 15618 CJ/T 340

1.0m 0.10 0.20m

0.50m

1.0m

GB 15618

TD/T 1036

GB 15618

TD/T 1036

0.80m

0.50m 0.50m TD/T 1036

0.80m

0.50m 0.50m TD/T 1036

1.0m

5

5 ”

CJ/T 24

“ 1 ‘ D ” PH

D E

GB/T 15776

NY/T 1342

GB/T 38360

1

	m	cm	m	m	m
	1.5	-	0.4 0.5	0.5 0.6	0.8 0.9
	1.5 2.5	-	0.7 0.9	0.8 0.9	1.0 1.1
	2.5 4.0	-	0.8 1.0	0.9 1.0	1.2 1.3
	-	2 3	-	0.3 0.4	0.4 0.6
	-	3 4	-	0.4 0.5	0.6 0.7
	-	4 5	-	0.5 0.6	0.7 0.8
	-	5 6	-	0.6 0.7	0.8 0.9
	-	6 8	-	0.7 0.8	0.9 1.0
	-	8 10	-	0.8 0.9	1.0 1.1
1. 1.30m 2. “ - ”					

a

b

GB/T 50625

—

a

1

2

b

1 0.60m

2 GB 50288

a

b GB/T 50085 GB/T 50485

a

b

c

JTG/T 3610

JTG/T D33

d 0.30 0.50m 3.0 4.0m

3.0km/km² 3.0m 8.0km/km²

e

a

b GB 2894 GB/T 13306

k

(SAR)

DZ/T 0287

1 /

mp&

—

a

b
c
d
e

A.1

/

Ď

—

B.1

H m α °

α 65 °

60 35 ° α ≤ 65 °

≤ 35 °

30 H ≤

C.1

C.1

/m	/ °	
10		
	≤	
≤ 10		
	≤	

PH

D.1 PH

PH	
4.0-4.5	
4.0-5.0	
4.5-5.5	
4.5-6.5	
4.4-8.0	
4.5-7.5	
4.5-8.0	
5.0-6.0	
5.0-6.5	
5.0-7.0	
5.0-7.8	
5.0-8.0	
5.2-7.5	
5.5-6.5	
5.5-7.0	
5.4-7.5	
6.0-6.5	
6.0-7.0	
6.0-7.5	
6.0-8.0	
6.5-7.0	
6.5-7.5	
7.0-7.5	
7.0-8.0	
7.5-8.5	
8.0-8.7	

E.1

35 °

F.1　　35 °

				/m			
				50	0.5　1m 0.5m		
				30			
				10	(		
					≤ 3cm		
					5　12cm		

35 ° 65 °

F.2 35 ° 65 °

				/m			
				10	“ ” PVC 1m		
				15			
					3/4 10 30 /100m² 0.50m × 0.50m		
				30			
				15			

F.2

/m

5

15

10cm

65 °

F.3 65 °

/m

“ V ” “ U ”

10 ° 45 °

20cm 0.50m

10 15cm 0.50m

" شش

30

G.1

mm		α (°	%	%	
≥ 800		65 °	40	60	2
		35 ° α ≤ 65 °	50	70	
		≤ 35 °	70	90	
600 800		65 °	30	50	2
		35 ° α ≤ 65 °	40	60	
		≤ 35 °	60	80	
400 600		65 °	20	40	3
		35 ° α ≤ 65 °	40	60	
		≤ 35 °	50	70	
200 400		65 °	-	-	4
		35 ° α ≤ 65 °	30	40	
		≤ 35 °	40	60	
200		65 °	-	-	5
		35 ° α ≤ 65 °	-	-	
		≤ 35 °	30	40	
1. 30 2. “ - ” 3.					