

## 1. 시험준비

1)

(1)

가

(2)

(3)

2)

(1)

(2)

(3)

가

50~100 mm

가

가

(4)

, 가

(5) 가

(6) ( )

3) 가

< .1>

D (m)		( )		
1.2 < D	1.5	4	6 3.5 6-1	
1.5 < D	2.0	5		
2.0 < D	2.5	7		

## 2. 시험방법

(1) 7 , 가

(2)

(3)

(4)

Time)

(5)

FAT(First Arrival

(waveform)

(profile)

(6) 가  
가

3. 해석방법

< .2>

가

(1)

< .2>

[

]

A ( )	- ) - ) (Signal distortion 10%	0	$V = \frac{S}{T}$ V : T : S :
B ( )	- ) - ) 10~20%	30	
C ( )	- ) - ) 가 20%	50	
D ( )	- ) - ) 가 1500m/sec	100	

(1)

$$= \frac{1}{N} \sum ( \quad ) \text{----- (1)}$$

N : ( )

(2) (1) , ' ' ( 30 ; A, B ) 가

(grouting)

(3) (1) , ' ' ( 30 ; C ) 가

< .3> French Norm NF 94 - 160 - 1 Part 1 : Sonic coring method

Pile grade	Integrity status	Velocity (m/s)
A	Not found significant defect. Homogeneous condition	Over 3,660
B	In case an anomaly is suspected (fast variation of transit time 20%) Acceptable pile status.	3,050~3,660
C	Required repair or reinforcement pile (fast variation of transit time > 20%)	2,135~3,050
D	Required re-construction piles. Found significant defect	Below 2,135

#### 4. 결함의 보강 및 결과 보고서

1)

(1)

가

(coring)

(2)

(micro - pile),

가

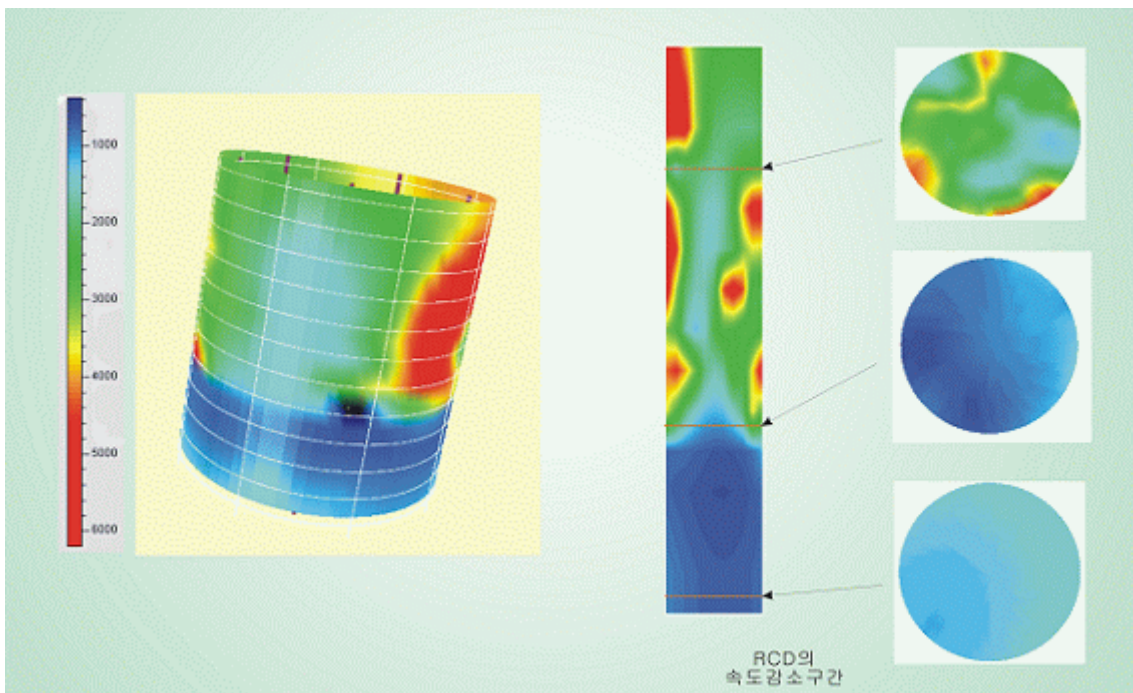
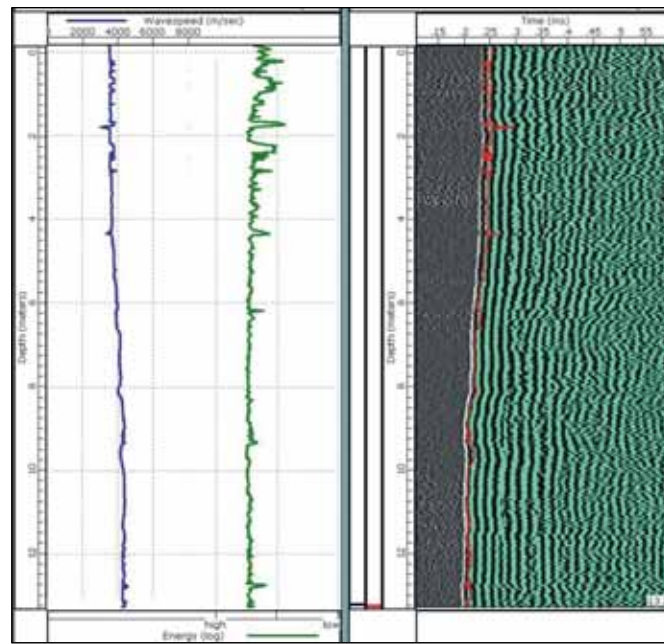
(3)

2)

(1)

1

(2)



5. 건전도시험 수행 예

