



Road Pavements Forum

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READYMIX SPECIFICATIONS

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SARMA

Rules

Rules were meant to be broken!



Broken rules





Material failure?

Test failure?

Specification Failure?

Specification



Specification



- **Must be measurable**
- **Question:**
 - What was specified?
 - How was it contravened?
- **SANS 878:**
 - Fit for purpose in accordance to what was specified
 - Responsibility

SANS 1083 – Stone specification



Nominal aperture size of sieve, mm	Nominal size of aggregate, mm							
	75.0	53.0	37.5	26.5	19.0	13.2	9.5	6.7
75.0	100	100						
53.0	0-50	85-100	100					
37.5	0-25	0-50	85-100	100				
26.5	0-5	0-25	0-50	85-100	100			
19.0		0-5	0-25	0-50	85-100	100		
13.2			0-5	0-25	0-50	85-100	100	
9.5				0-5	0-25	0-55	85-100	100
6.7					0-5	0-25	0-55	85-100
4.75						0-5	0-25	0-55
2.36							0-5	0-25
1.18								0-5
Dust Content	Not to exceed 2.0%							

SANS 1083 – Sand specification

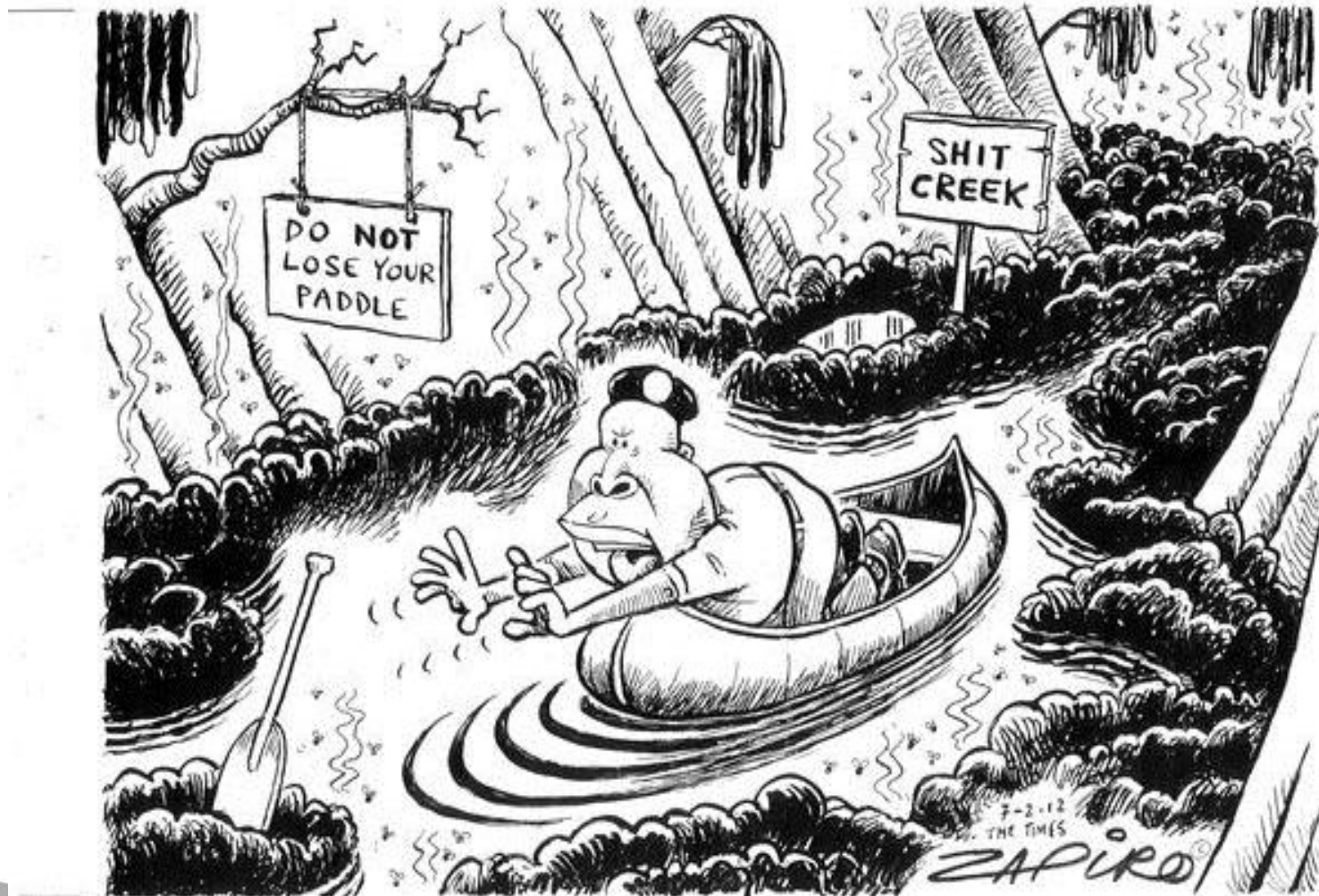


Sieve size, mm	Cumulative Percentage passing sieve			
	Limits: SANS 1083		Test Methods	
4.75	90-100		Grading: SANS 201	
2.36	-		MBA: SANS 6243.	
1.18	-		Clay: SANS 6244.	
0.60	-		Chlorides: SANS 202.	
0.30	-		Organic impurities: SANS 5832	
0.15	5-25		Sugar: SANS 5833.	
0.075	Natural sand, max 5.	Crusher sand, max 10.	Natural sand: 5-10	Crusher sand: 5-20

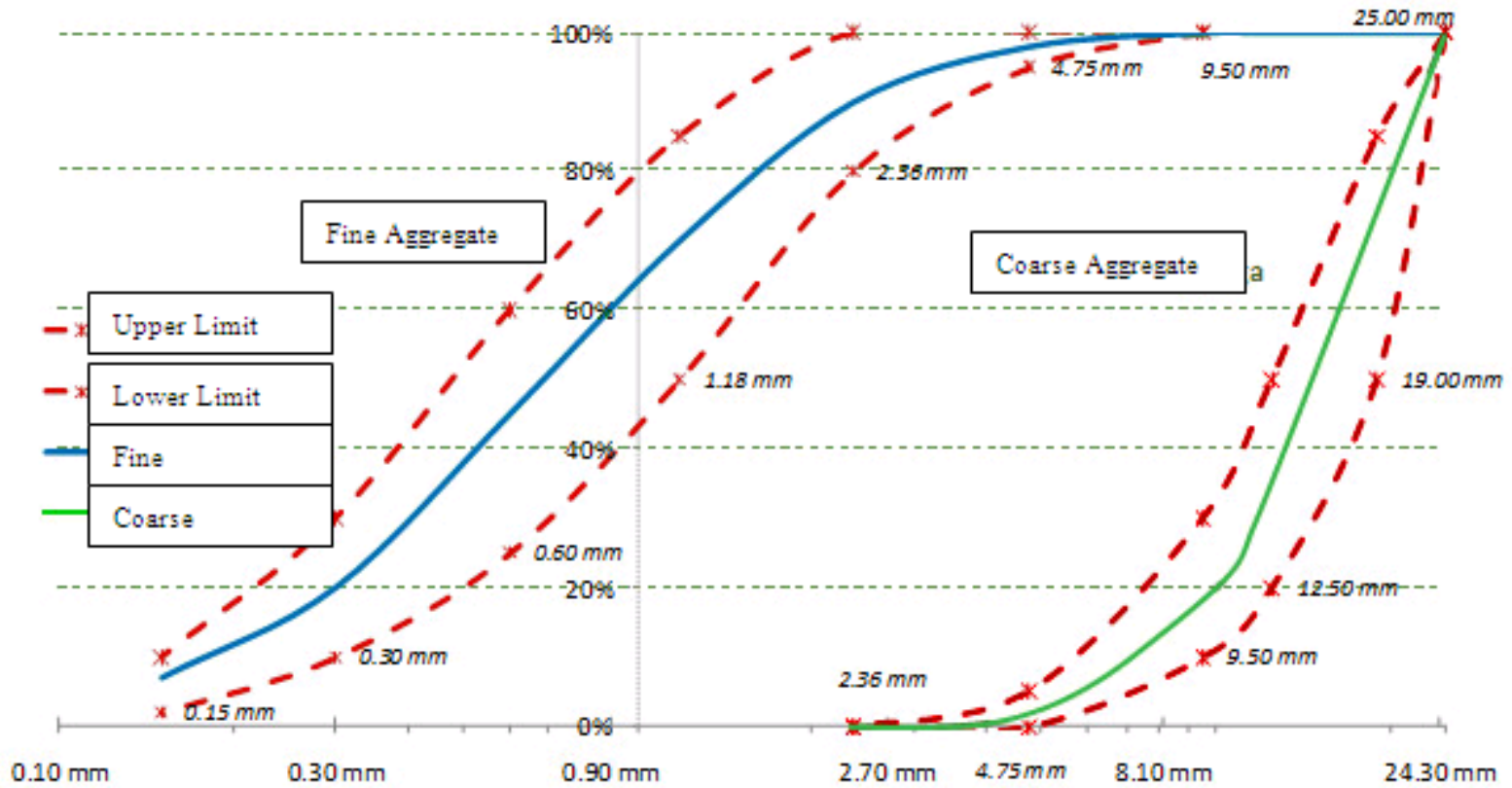
Do they know?



Know what was specified!



Classification:



SANS 1083



C.3 The use of aggregate for concrete

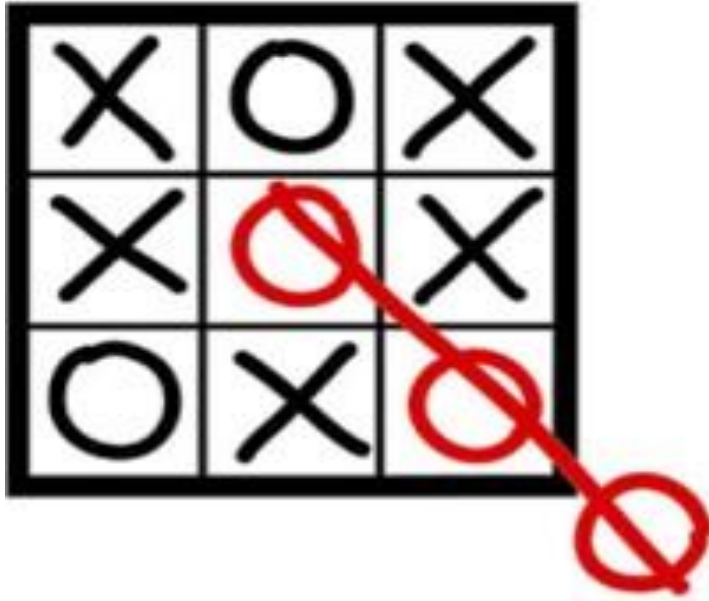
C.3.1 General

Modern concepts in the field of concrete technology require careful consideration during the proportioning of concrete mixes to achieve all the desired properties of both fresh and hardened concrete. Whether concrete is made of aggregate that complies with this standard or, where such aggregates are not available, with aggregate that does not comply with this standard, all the necessary factors that affect the end results should be considered.

A.2 The following requirements shall be agreed upon between the supplier and the purchaser:

- a) a permissible variation of the stated coefficient of uniformity (see 4.3.2 and 5(c);

**THINK
OUTSIDE
THE BOX**



Work together!

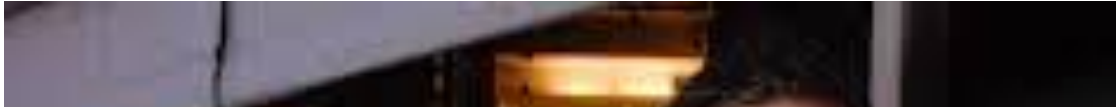
Use the Specifications!

Critical!



1. What specification?
2. What is acceptable?
3. Who is going to test?
4. Agree beforehand!
5. Plan to test!

What happens?







Questions?

Thank You!

Presented by:

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