

# Sampling & Testing Guide-Minimum Frequency

April 19, 2011  
Supersedes October 21, 2008

## BASE REPAIR (2212), PAVEMENT REPAIR (PATCHES) Sections 2529 & 2530

Matls. IM 204  
Appendix T

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE & RELATED IMs	QUALITY CONTROL					INDEPENDENT ASSURANCE & VERIFICATION S&T						REMARKS
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
SOURCE INSPECTION														
Aggregates Fine (4110)		AS 209												
Aggregates Coarse (4115)		AS 209												
Portland Cement (4101)	Quality	AS 401												
Fly Ash (4108)	Quality	AS 491.17												
GGBFS (Ground Granulated Blast Furnace Slag)	Quality	AS 491.14												
Curing Compound (4105)	Lab Tested	405												
Air Entraining Admixture (4103)	Quality	AS 403												
Granular Backfill	Gradation Quality	AS CERT AS CERT												
Drain Tubing	Quality	AS 443												
Epoxy Grout		AS 491.11												
Joint Seal (4136.02)	Lab Tested	436.01 AS 436.02												
Backer Rod (4136.02)		AS 436.04												
Steel Reinforcing	Quality	AS 451												
AS-Approved Source ASD-Approved Shop Drawing S&T-Sampling & Testing			Cert A-Type A Certification Cert C-Type C Certification Cert D-Type D Certification					RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor					IA-Independent Assurance V-Verification	

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PLANT INSPECTION														
Aggregates-Coarse (4115)	Grad	302 306 336	CONTR	1/lot	IM 301	CONTR		V	RCE/ CONTR	Sample 1/wk Test 1 <sup>st</sup> day +20%	IM 301	RCE		
		308	CONTR	1 / half day	1000 gm	CONTR								
	Gr.	307	CONTR	IM 527	1000 gm	CONTR								
	Quality	AS 209												
Aggregate- Fine (4110)	Gradation	302, 306 336	CONTR	1/lot	IM 301	CONTR	830211	V	RCE/ CONTR	Sample 1/wk Test 1 <sup>st</sup> day+ 20%	IM 301 IM 301	RCE		
	Moisture	308, 528	CONTR	1/lot	IM 301	CONTR	830211							See IM 528 if Moisture Probe is used
	Sp.	307	CONTR	IM 528	IM 301	CONTR	830211							
	Quality	AS 209												
Portland Cement (4101)	Quality	AS CERT D		Each Load										
Fly Ash	Quality	AS CERT D		Each Load										
Air Entraining Admixture		AS 403						V	DME 1/batch		1 pt	CTRL		Sample lots not previously reported or as directed by DME
Water Reducing Admixture		AS 403						V	DME 1/batch		1 pt	CTRL		
Retarding Admixture		AS 403						V	DME 1/batch		1 pt	CTRL		
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GRADE INSPECTION														
Uncompacted HMA Mixture		Scale ticket with JMF number												Job Mix Formula (JMF) approved by DME
Plastic Concrete	Air Slump	318 327 317 327						V V	RCE RCE	1/30 cy 1/30 cy		RCE RCE		Minimum 1 per pour
Reinforcing Steel Epoxy-Coated Steel	Quality Quality	AS 451 AS 451	Each	Shipment										
Calcium Chloride	Concentr.	373	RCE 1/lot			RCE								
Smoothness for Compacted HMA or Hardened Conc. (2529.10)		341	CONTR			CONTR								Approval by DME See Plans/Specs for exclusions
AS-Approved Source ASD-Approved Shop Drawing S&T-Sampling & Testing			Cert A-Type A Certification Cert C-Type C Certification Cert D-Type D Certification					RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor					IA-Independent Assurance V-Verification	