



2009 PRODUCT TEST SUMMARY

PRODUCT: MNDOT FA-2, (7/32" x #8)

GRADATION

NUMBER OF TESTS PERFORMED: 2			DATE OF LAST TEST: 07/21/2009			
SIEVES (millimeters in parentheses)	MNDOT SPEC LIMITS	MNDOT SPEC MEDIAN	N.U.Q.Q. RUNNING AVERAGE	STANDARD DEVIATION ABOUT RUNNING AVERAGE	N.U.Q.Q. GRADATION TARGET BAND	% OF TESTS INSIDE OF TARGET BAND
0.375" (9.5)	100%	100.0%	100.0%	0.0%	100%	100.0%
#4 (4.75)	85% - 100%	92.5%	95.9%	1.6%	94% - 97%	100.0%
#8 (2.36)	10% - 40%	25.0%	21.0%	2.8%	18% - 24%	100.0%
#16 (1.18)	0% - 10%	5.0%	2.2%	0.3%	2% - 2%	100.0%
#50 (0.297)	0% - 5%	2.5%	1.7%	0.5%	1% - 2%	100.0%
NOTE: VALUES INDICATE THE PERCENT BY WEIGHT PASSING SQUARE OPENING SIEVES.						

GENERAL QUALITY

QUALITY PARAMETERS	N.U.Q.Q. RUNNING AVERAGE	MNDOT SPEC LIMITS	NOTE
L.A.R. ABRASION LOSS, (A.S.T.M. C131-89):	< 35.0%	40% MAX.	TOUGHNESS
MAGNESIUM SULFIDE LOSS, (A.S.T.M. C88-90 - 5 CYCLES):	4.8%	N/A	SOUNDNESS
SPECIFIC GRAVITY, (A.S.T.M. C127-88):	2.627	N/A	BULK SSD
ABSORPTION IN BULK SAMPLE, (A.S.T.M. C126):	< 0.35%	N/A	POROSITY
LOOSE WEIGHT:	86.70	N/A	LBS. / CU. FT.
VOIDS IN LOOSE AGGREGATE:	53.2%	N/A	
200 MESH, (75 MICRON), MATERIAL, (A.S.T.M. C117-90):	1.40%	1.0% MAX.	SURFACE DUST
MEDIAN SIZE:	0.140	N/A	INCHES
AVERAGE LEAST DIM.:	0.102	N/A	INCHES
FLAKINESS INDEX:	24.0%	25.0% MAX.	SHAPE
SUGGESTED AGGREGATE APPLICATION RATE FOR SEAL COAT:	11.0	N/A	LBS. / SQ. YD.
QUARTZITE AGGREGATES CONTAIN NO SHALE, IRON OXIDE, SLATE, UNSOUND CHERT OR CLAY BALLS.			

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 SAMPLES AVAILABLE UPON REQUEST