



2009 PRODUCT TEST SUMMARY

PRODUCT: FA-2 MODIFIED, (19/64" x #8)

GRADATION

NUMBER OF TESTS PERFORMED: 14				DATE OF LAST TEST: 07/27/2009		
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)	N/A	N/A	100.0%	0.0%	100%	
#4 (4.75)	N/A	N/A	74.2%	5.3%	69% - 79%	92.9%
#8 (2.36)	N/A	N/A	17.6%	1.8%	16% - 19%	78.6%
#16 (1.18)	N/A	N/A	3.3%	1.0%	2% - 4%	71.4%
#50 (0.297)	N/A	N/A	1.0%	0.3%	1% - 1%	71.4%
FA - 2 Modified also meets M.N.D.O.T. CA - 8 specification for gradation.						
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):	2.590	N/A	BULK SSD
ABSORPTION IN BULK SAMPLE, (A.S.T.M. C126):	< 0.35%	N/A	POROSITY
LOOSE WEIGHT:	78.19	N/A	LBS. / CU. FT.
VOIDS IN LOOSE AGGREGATE:	52.0%	N/A	
200 MESH, (75 MICRON), MATERIAL, (A.S.T.M. C117-90):	0.34%	2.0% MAX.	SURFACE DUST
MEDIAN SIZE:	0.203	N/A	INCHES
AVERAGE LEAST DIM.:	0.132	N/A	INCHES
FLAKINESS INDEX:	18.0%	25.0% MAX.	SHAPE
SUGGESTED AGGREGATE APPLICATION RATE FOR SEAL COAT:	14.0	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