



2008 PRODUCT TEST SUMMARY

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

GRADATION

NUMBER OF TESTS PERFORMED: 4				DATE OF LAST TEST: 05/14/2008		
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	70.3%	3.9%	66% - 74%	75.0%
#8 (2.36)	N/A	N/A	16.3%	2.2%	14% - 18%	50.0%
#16 (1.18)	N/A	N/A	2.5%	0.9%	2% - 3%	50.0%
#50 (0.297)	N/A	N/A	0.9%	0.4%	0% - 1%	75.0%
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):	0.15%	2.0% MAX.	SURFACE DUST
MEDIAN SIZE:	0.203	N/A	INCHES
AVERAGE LEAST DIM.:	0.132	N/A	INCHES
FLAKINESS INDEX:	19.0%	N/A	
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.			

NEW ULM QUARTZITE QUARRIES, INC.
 PHONE: (507) 354-2925; FAX: (507) 359-7870
 ROUTE 5, BOX 21, NEW ULM, MN 56073
 SAMPLES AVAILABLE UPON REQUEST