

NTPEP



NATIONAL TRANSPORTATION
PRODUCT EVALUATION PROGRAM

AASHTO's National Transportation Product Evaluation Program (NTPEP)

Category: Warm Mix Additives (WMA)
Lab Contractor: National Center for Asphalt Technology (NCAT) at Auburn University
Product: Delta S[®] from Collaborative Aggregates LLC of Lowell, Massachusetts

Performance Testing			
Attributes	Unit	Control	WMA
Hamburg (T324) Rut Depth – 5000 Passes	mm	2.7	2.6
Hamburg (T324) Rut Depth – 10000 Passes	mm	3.8	4.2
Hamburg (T324) Rut Depth – 15000 Passes	mm	6.3	10
Hamburg (T324) Rut Depth – 20000 Passes	mm	12.5	
Hamburg (T324) Rut Depth – Final	mm	12.5	12.5
Hamburg (T324) Cycles	Cycles	20000	17200
Stripping Inflection Point (SIP)		13483	10059
Bulk Specific Gravity (T166) Gmb		2.435	2.438
Air Voids (T 269)	%	6.7	6.8
TSR	Control: 75.5	Delta S: 71.2	