

Bituminous Rated Source Quality Catalog

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Overview

The Bituminous Rated Source Quality Catalog (BRSQC) lists the Aggregate Quality Monitoring Program (AQMP) rated values for bituminous aggregates for Tex-410-A, “Abrasion of Coarse Aggregate Using the Los Angeles Abrasion Machine,” Tex 411 A, “Soundness of Aggregate by Use of Magnesium Sulfate,” Tex-461-A, “Degradation of Coarse Aggregate by Micro-Deval Abrasion,” and Tex-612-J, “Acid Insoluble Residue for Fine Aggregate.”

Tex-499-A, “Aggregate Quality Monitoring Program (AQMP),” provides the requirements and procedures for monitoring aggregate products that have demonstrated continuing quality and uniformity. The AQMP allows the districts to use aggregates from rated sources qualified through AQMP without project specific testing by the Construction Division, Materials and Pavements Section (CST/M&P).

The districts must perform job control tests to determine specification compliance for those aggregate requirements not covered by the AQMP.

Aggregate suppliers are added to AQMP based on test history of aggregate products used on TxDOT projects. The AQMP was created by TxDOT to improve efficiency of TxDOT operations. Participation is not at the option of the aggregate supplier.

The Department reserves the right to conduct random sampling of these materials for testing and to perform random audits of test reports. Department representatives may sample material from the manufacturing plant, the project site, and the warehouse. CST/M&P reserves the right to test samples to verify compliance with Tex-499-A, “Aggregate Quality Monitoring Program (AQMP).”

Contact the Geotechnical, Soils, and Aggregates Branch at (512) 506-5907 for more information.

Effective Dates

Effective: 07/24/2015–01/14/2016

Legend

- SAC = Surface Aggregate Classification for Wet Weather Accident Reduction Program.
- RSLA = Rated Source Los Angeles Abrasion
- RSSM = Rated Source Soundness Magnesium
- RSMD = Rated Source Micro-Deval, use to compare with project sample results to detect changes in aggregate production and the need to submit project samples for soundness (Mg) verification
- HMAC = Hot Mix Asphaltic Concrete
- ST = Surface Treatment
- MS = Micro Surface
- RSAI = Rated Source Acid Insoluble
- CA = Coarse Aggregate
- Dry Unit Weight is measured in lb./ft.³
- * = Requires project testing for surface treatment aggregates.

Producer Code Number

The producer code number for each aggregate source provides information as to the location.

- The first two digits of the producer code number identify the district in which the pit is located. Sources located outside Texas have '00' as the first two digits of the code.
- The middle three digits identify the county in which the source is located. A list of counties, in alphabetical order, can be found on the official Texas Travel Map. The counties are numbered beginning with Anderson County as '1' and ending with Zavala County as '254.'
- Out of state sources are denoted with the following middle three digits:
 - 401 – Mexico
 - 402 – Canada
 - 501 – Arkansas
 - 503 – New Mexico
 - 504 – Oklahoma
- The last two digits of the producer code is assigned sequentially and indicates the number of pits in that county that have been assigned a producer code number.

Product Codes

082 - Micro Surface

093 - HMAC

094 - Surface Treatment

095/096 - Lightweight

Material Code

The following material codes indicate the material type of the source (quarry):

Coarse Aggregate

- 011 - Crushed Siliceous Gravel
- 014 - Crushed Siliceous and Limestone Gravel
- 018 - Crushed Limestone
- 019 - Crushed Dolomite
- 021 - Crushed Limestone Gravel
- 024 - Crushed Limestone and Siliceous Gravel
- 025 - Partly Crushed Limestone and Siliceous Gravel
- 029 - Crushed Sandstone
- 032 - Crushed Rhyolite
- 033 - Crushed Rhyolite Gravel
- 040 – Quartzite
- 041 - Tuff
- 048 - Lightweight Aggregate
- 050 - Crushed Trap Rock
- 051 - Crushed Granite

Materials

- Sandstone

SANDSTONE											
Producer Information					Ratings						
Producer	Quarry	Producer Code	Product Code	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI
							HMAC	ST	MS		
Capitol Aggregates	Brownlee	1402704	082, 093, 094	029	A	24	20	14	20	15	64
Martin Marietta	Apple (Sawyer, OK)	0050437	082, 093, 094	029	A	34	21	15	18	12	97
Smith Buster Crushed Stone , LLC	Byrd Pit	0050447	093, 094	029	A	35	25	21		13	98

• Limestone-Dolomites

LIMESTONE-DOLOMITES											
Producer Information					Ratings						
Producer	Quarry	Producer Code	Product Code	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI
							HMAC	ST	MS		
Austin Aggregates	Lampasas Quarry	1402706	093, 094	018	B	28	6	5		12	0
Austin Aggregates	Naruna	1402711	093, 094	018	B	28	7	8		12	4
Border Pacific	Matrimar	0040103	093, 094	019	B	26	5	5		13	0
Cedar Creek Stone	Pate	0914710	093, 094	018	B	*38	29	24		28	20
Cemex	Balcones Quarry	1504602	093,094	018	B	33	25	19		24	0
Cemex	McKelligon-Dolomite	2407201	093, 094	019	B	22	7	6		8	0
Centex Materials	Ruby	1410607	093, 094	018	B	29	17	13		21	0
Colorado Materials	Hunter	1504605	093, 094	018	B	30	23	18		24	4
CSA Materials	Turner	0722611	093, 094	018	B	32	23	17		22	2
Dean Word Co.	Lone Star	1504607	093, 094	018	B	29	16	13		22	0
Dolese Brothers	Ardmore, OK	0050412	093, 094	018	B	28	11	9		14	0
Dolese Brothers	Coleman, OK	0050414	093, 094	019	B	25	4	3		9	0
Dolese Brothers	Cooperton, OK	0050415	093, 094	018	B	26	4	4		11	0
Dolese Borthers	Richards Spur	0050405	093, 094	019	B	27	10	10		15	0
Hanson Aggregates	Perch-Hill	0224901	093, 094	018	B	26	10	8		14	0
Hanson Aggregates	Burnet	1402701	093, 094	019	B	27	4	2		9	0
Hanson Aggregates	Servtex	1504603	093, 094	018	B	30	16	13		19	0
Industrial Asphalt & Aggregate	Florence Quarry	1424608	093, 094	018	B	31	22	19		29	0
Industrial Asphalt & Aggregate	Hays Quarry	1410608	093, 094	018	B	32	17	11		20	3
Jobe Materials, L.P.	Ned Finney Quarry	2407220	093, 094	018	B	26	2	2		10	0
Jones Brothers	Rankin	0623102	093, 094	018	B	30	30	24		26	0
Killeen Crushed Stone	Gibbs	0901408	093, 094	018	B	30	14	12		17	3
Lattimore Materials	Stringtown, OK	0050407	093, 094	019	A	21	8	8		9	67
Martin Marietta	Beckmann	1501503	093, 094	018	B	33	27	25		27	3
Martin Marietta	Bridgeport	0224904	093, 094	018	B	28	17	14		20	0
Martin Marietta	Chambers	0224921	093, 094	018	B	32	30	*		24	1

LIMESTONE-DOLOMITES											
Producer Information					Ratings						
Producer	Quarry	Producer Code	Product Code	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI
							HMAC	ST	MS		
Martin Marietta	I-35 @ Solms Rd	1504606	093, 094	018	B	31	21	18		23	1
Martin Marietta	Mill Creek, OK	0050445	093, 094	018	B	30	6	5		11	2
Martin Marietta	Rio Medina Quarry	1516312	093, 094	018	B	30	14	11		18	0
Oldcastle Materials Texas	Marble Falls Quarry	1402702	093,094	019	B	29	11	9		10	0
South Texas Aggregates	Chapman	1523211	093, 094	018	B	*37	23	21		28	1
Texas Crushed Stone	Feld	1424602	093, 094	018	B	32	17	13		23	0
Vulcan Materials	1604	1501506	093, 094	018	B	34	18	15		26	1
Vulcan Materials	Brownwood	2302501	093, 094	018	B	25	9	8		15	0
Vulcan Materials	Eastland	2306805	093, 094	018	B	26	14	10		16	0
Vulcan Materials	Helotes	1501514	093, 094	018	B	25	13	13		18	0
Vulcan Materials	Huebner Road	1501507	093, 094	018	B	35	27	25		32	2
Vulcan Materials	Mico	1516315	093, 094	018	B	33	15	14		25	0
Vulcan Materials	North Troy	0050448	093, 094	019	B	23	9	8		9	8
Vulcan Materials	Spicewood	1402710	093, 094	019	B	21	7	6		7	0
Vulcan Materials	Tehuacana	0914708	093, 094	018	B	35	12	13		22	14
Vulcan Materials	Weatherford	0218409	093, 094	018	B	27	16	11		16	0
Zack Burkett Co	Leach	0212001	093, 094	018	B	27	16	14		17	0
Zack Burkett Co	Springfield Quarry	0212002	093, 094	018	B	25	12	12		14	0

• Gravels

GRAVELS											
Producer Information					Ratings						
Producer	Quarry	Producer Code	Product Code	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI
							HMAC	ST	MS		
Anderson Columbia Co, Inc.	AC Rio Grande Pit	2225301	093, 094	011	A	18	4	1		4	93
Bay, Inc.	Sweet 16	2206706	093, 094	011	A	19	2	2		4	92

GRAVELS											
Producer Information					Ratings						
Producer	Quarry	Producer Code	Product Code	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI
							HMAC	ST	MS		
Big Creek Construction	Mitchell Pit	0907401	093, 094	024	B	23	7	5		10	36
Big Creek Construction	Young	0907402	093, 094	024	B	22	6	4		8	40
Big Creek Sand & Gravel, Inc.	Big Creek	0411807	093, 094	011	A	33	10	8		9	92
Capitol Aggregates	Hoban	0619502	082, 093, 094	033	A	22	12	11	8	8	97
Colorado Materials	Jaehne Pit	1523216	093, 094	024	B	22	4	2		8	24
Duininck Brothers	Matador	2517309	083, 094	014	A	26	9	6		8	79
Fordyce Co.	Murphy	1323505	093, 094	014	A	18	3	1		2	92
Fordyce Co.	Showers	2110904	093, 094	014	A	21	11	8		6	90
Frontera Materials	Reavis	2110906	093, 094	014	A	20	5	5		5	87
Gilvin-Terrill, Ltd.	Fletcher Pit	2506508	093, 094	014	A	35	12	13		13	91
Hanson Aggregates	Little River	0050114	093, 094	011	A	21	5	4		4	99
J. Lee Milligan, Inc.	Archer Pit	2517311	093, 094	014	A	33	12	10		12	82
J. Lee Milligan, Inc.	Aztec Canyon	0418814	093, 094	024	B	27	11	10		14	10
J. Lee Milligan, Inc.	Boys Ranch	0418008	093, 094	011	A	30	7	5		8	93
J. Lee Milligan, Inc.	Frasier Pit	2506509	093, 094	014	A	32	8	7		10	93
J. Lee Milligan, Inc.	Sawyer	0406510	093, 094	014	A	32	21	18		14	68
Jobe Materials, L.P.	Avispa Canyon	2407229	093, 094	021	B	26	13	11		15	0
LS Sand & Gravel	LS Pit	0418002	093, 094	014	A	28	14	8		11	81
Martin Marietta	Broken Bow S & G	0050451	093, 094	011	A	24	13	14		11	98
Mine Service Ltd.	Pit 424	1716611	093, 094	024	B	24	6	6		11	20
R.E. Janes Gravel Co.	South Noodle	0812803	Partly Crushed	025	B	27	15	14		16	36
South Texas Aggregates	D and D	2215905	093, 094	024	B	23	8	5		10	28
Texas Sand & Gravel	Krister-Fain	0418812	093, 094	014	A	30	12	9		11	76
Thrasher S & G	Thrasher	2517302	093, 094	014	A	28	15	12		12	78
Upper Valley Materials	Las Viboras	2110905	093, 094	014	A	20	11	10		6	79
Valley Caliche	Beck	2110901	093, 094	014	A	24	15	10		7	76
Wright Materials	Realitos	2106701	093, 094	011	A	19	3	1		3	93

GRAVELS											
Producer Information					Ratings						
Producer	Quarry	Producer Code	Product Code	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI
							HMAC	ST	MS		
XIT Sand & Gravel, LLC	XIT S & G Pit	0418010	093, 094	014	A	29	6	6		8	91
Zack Burkett	Smith	0325205	093, 094	014	A	21	5	4		6	68

- Igneous Rocks

IGNEOUS											
Producer Information					Ratings						
Producer	Quarry	Producer Code	Product Code	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI
							HMAC	ST	MS		
Cemex	McKelligon-Granite	2407206	093, 094	051	A	*40	22	19		13	94
Cemex	Vado	0050310	093, 094	032	A	29	7	4		11	95
Colorado Materials	Davenport-Cline Basalt Quarry	1523215	093, 094	050	A	13	3	2		9	93
Granite Mountain Quarries	Plant 1	0050106	093, 094	051	A	30	3	2		5	94
Hanson Aggregates	Davis, OK	0050439	093, 094	032	A	18	14	10		10	97
Jobe Materials, L.P.	Padre Canyon	2411613	093, 094	051	A	30	11	9		11	94
Jobe Materials, L.P.	Vado Quarry	2450314	093, 094	032	A	24	14	10		12	95
Martin Marietta	Bird Hill	1523213	093, 094	050	A	15	17	9		13	92
Martin Marietta	Jones Mill	0050122	093, 094	040	A	17	3	3		7	95
Martin Marietta	Mill Creek (Grnt), OK	0050433	093, 094	051	A	32	2	2		8	97
Martin Marietta	Porcupine Mountain	0040205	093, 094	051	A	20	2	1		4	97
Martin Marietta	Snyder, OK	0050435	093, 094	051	A	25	2	2		5	100
Volcanic Stone	Cinder Mountain	0050313	093, 094	041	A	35	16	15		23	98
Vulcan Materials	Knippa	1523206	093, 094	050	A	14	5	5		11	92

- Lightweight

LIGHTWEIGHT													
Producer Information				Ratings									
Producer	Quarry	Producer Code	Material Code	SAC	RSLA	RSSM		RSMD	CA RSAI	Pressure Slake	FreezeThaw	Absorption	Dry Unit Weight (lb./ft. ³)
						HMAC	ST						
Trinity Expanded Shale and Clay	Streetman	1817502	048	A	28	7	8	29	99	HMAC 2.9 ST Gr 4, 3.5 ST Gr 3, 3.9	HMAC 6.6 ST Gr 4, 7.0 ST Gr 3, 8.1	11.5	52.6

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