

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: 08/06/2013–06/11/2014

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
- ◆ () = Rated Source Value Does Not Meet Standard Specification
- ◆ * = 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
 - ◆ 502 – Louisiana
 - ◆ 503 – New Mexico
 - ◆ 504 – Oklahoma
 - ◆ 505 – Kentucky
 - ◆ 506 – Missouri
 - ◆ 507 – Illinois
- ◆ 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.

Bituminous Coarse Aggregate Code Numbers indicating material usage

082—Microsurface

093—HMAC and/or Surface Treatment with PV or Surface Aggregate Classification

095—HMAC and/or Surface Treatment without PV or Surface Aggregate Classification

Material Code

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

Coarse Aggregate

010 - Siliceous Gravel	024 - Crushed Limestone and Siliceous Gravel
011 - Crushed Siliceous Gravel	025 - Partly Crushed Limestone and Siliceous Gravel
012 - Partly Crushed Siliceous Gravel	029 - Crushed Sandstone
013 - Siliceous & Limestone Gravel	032 - Crushed Rhyolite
014 - Crushed Siliceous and Limestone Gravel	033 - Crushed Rhyolite Gravel
015 - Partly Crushed Siliceous and Limestone Gravel	034 - Rhyolite Gravel
016 - Siliceous and Calcareous Gravel	037 - Crushed Shale
017 - Crushed Siliceous and Calcareous Gravel	040 - Quartzite
018 - Crushed Limestone	041 - Tuff
019 - Crushed Dolomite	048 - Lightweight Aggregate
020 - Limestone Gravel	049 - Crushed Limestone Rock Asphalt
021 - Crushed Limestone Gravel	050 - Crushed Trap Rock
022 - Partly Crushed Limestone Gravel	051 - Crushed Granite
023 - Limestone and Siliceous Gravel	

Materials

◆ Sandstone

Sandstone											
Producer	Producer Code	Quarry	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI	Comments
						HMAC	ST	MS			
Capitol Aggregates	1402704	Brownlee	029	A	23	13	13	16	15	62	
Martin Marietta Mtrls.	0050437	Apple (Sawyer, OK)	029	A	32	18	15	17	13	98	
Smith Buster Crushed Stone , LLC	0050447	Byrd Pit	029	A	35	25	22		12	99	

◆ Limestone-Dolomites

Limestones-Dolomites											
Producer	Producer Code	Quarry	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI	Comments
						HMAC	ST	MS			
Alamo Concrete	1424603	Weir	018	B	32	26	*		24	0	See Legend
Austin Aggregates	1402706	Lampasas Quarry	018	B	30	6	6		12	3	
Austin Aggregates	1402711	Naruna	018	B	28	8	9		12	4	
Border Pacific	0040103	Matrimar	019	B	25	3	4		12	3	
Capitol Aggregates	1402702	Marble Falls	019	B	29	7	8		11	0	
Cedar Creek Stone	0914710	Pate	018	B	34	26	24		29	16	
Cemex	1504602	Balcones Quarry	018	B	30	19	18		23	4	
Cemex	2407201	McKelligon Dolo	019	B	23	7	5		9	10	
Cemex	2407213	South Quarry	019	B	23	14	14		16	12	
Centex Mtrls.	1410607	Ruby	018	B	29	17	14		22	3	
Colorado Mtrls.	1504605	Hunter	018	B	29	26	22		23	3	
CSA Materials	0505803	Forbes Pit	018	B	28	21	20		22	5	
CSA Materials	0722611	Turner	018	B	33	26	24		25	0	
Dean Word Co.	1504607	Lone Star	018	B	30	18	18		21	0	
Dolese Brothers	0050412	Ardmore, OK	018	B	26	12	13		13	0	
Dolese Brothers	0050414	Coleman, OK	019	B	24	6	5		10	12	
Dolese Brothers	0050415	Cooperton, OK	018	B	27	6	4		10	0	

Limestones-Dolomites											
Producer	Producer Code	Quarry	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI	Comments
						HMAC	ST	MS			
Dolese Brothers	0050405	Richards Spur	019	B	26	8	9		14	5	
Hanson Aggregates	1402701	Burnet	019	B	26	3	2		8	0	
Hanson Aggregates	0224901	Perch-Hill	018	B	26	8	8		14	1	
Hanson Aggregates	1504603	Servtex	018	B	29	19	19		22	0	
H.L. Zumwalt Construction, Inc.	1516317	FM 1283 Ranch Quarry	018	B	35	25	24		28	2	
Industrial Asphalt & Aggregate	1424608	Florence Quarry	018	B	30	20	19		26	2	
Industrial Asphalt & Aggregate	1410608	Hays Quarry	018	B	33	15	15		22	3	
Jobe Materials, L.P.	2407220	Ned Finney Quarry	018	B	24	3	3		9	3	
Jones Brothers	0623102	Rankin	018	B	26	20	19		21	1	
Killeen Crushed Stone	0901408	Gibbs	018	B	33	14	10		20	2	
Lattimore Materials	1516315	Mico # 68	018	B	33	13	15		23	1	
Lattimore Materials	0050407	Stringtown, OK	019	A	21	8	8		11	67	
Martin Marietta Mtrls.	1501503	Beckmann	018	B	31	29	*		29	0	See Legend
Martin Marietta Mtrls.	0224921	Chambers	018	B	30	25	25		25	4	
Martin Marietta Mtrls.	1504606	I-35 @ Solms Rd.	018	B	28	26	25		24	3	
Martin Marietta Mtrls.	0050448	North Troy	019	B	24	16	17		10	7	
Martin Marietta Mtrls.	1516312	Rio Medina Quarry	018	B	29	12	10		18	0	
South Texas Aggr.	1523211	Chapman	018	B	36*	19	15		26	0	See Legend
Texas Crushed Stone	1424602	Feld	018	B	31	17	17		23	0	
Texas Industries	0224904	Bridgeport	018	B	27	11	12		16	4	
Texas Industries	0050445	Mill Creek, OK	018	B	28	9	9		12	2	
Vulcan Materials	1501506	1604	018	B	32	14	12		23	0	
Vulcan Materials	2302501	Brownwood	018	B	23	9	6		13	0	
Vulcan Materials	2306805	Eastland	018	B	25	14	10		15	0	
Vulcan Materials	1501514	Helotes	018	B	26	11	11		20	0	
Vulcan Materials	1501507	Huebner Road	018	B	32	18	18		27	0	
Vulcan Materials	1402710	Spicewood	019	B	23	6	6		8	0	
Vulcan Materials	0914708	Tehuacana	018	B	35	19	16		26	1	
Vulcan Materials	0218409	Weatherford	018	B	26	14	14		16	0	
Zack Burkett Co.	0212001	Leach	018	B	28	18	17		19	0	

◆ Gravels

Gravels											
Producer	Producer Code	Quarry	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI	Comments
						HMAC	ST	MS			
Advantage Asphalt Products	0400604	Stockett	014	A	28	17	15		12	77	
Anderson Columbia Co, Inc.	2225301	AC Rio Grande Pit	011	A	18	3	2		4	92	
Bay, Inc.	2206706	Sweet 16	011	A	18	2	1		3	89	
Big Creek Construction	0907401	Mitchell Pit	024	B	22	7	8		11	35	
Big Creek Construction	0907402	Young	024	B	21	4	4		9	39	
Big Creek Sand & Gravel, Inc.	0411807	Big Creek	011	A	34	9	6		11	90	
Capitol Aggregates	0619502	Hoban	033	A	20	10	8	9	8	98	
Duininck Brothers	2517309	Matador	014	A	26	8	5		9	81	
Fordyce Co.	1323505	Murphy	014	A	19	4	3		3	92	
Fordyce Co.	2110904	Showers	014	A	19	4	4		4	87	
Frontera Materials	2110906	Reavis	014	A	18	3	3		4	86	
Gilvin-Terrill, Ltd.	2506508	Fletcher Pit	014	A	35	14	14		13	91	
Hanson Aggregates	0050114	Little River	011	A	23	6	7		5	99	
J. Lee Milligan, Inc.	2517311	Archer Pit	014	A	34	13	12		14	86	
J. Lee Milligan, Inc.	0418814	Aztec Canyon	024	B	30	20	18		15	5	
J. Lee Milligan, Inc.	0418008	Boys Ranch	011	A	32	7	6		9	91	
J. Lee Milligan, Inc.	2506509	Frasier Pit	014	A	33	10	10		11	95	
J. Lee Milligan, Inc.	0406510	Sawyer	014	A	31	13	10		12	69	
Jobe Materials, L.P.	2407229	Avispa Canyon	021	B	24	3	3		9	1	
LS Sand & Gravel	0418002	LS Pit	014	A	31	13	12		12	85	
Martin Marietta Mtrls.	0050451	Broken Bow S & G	011	A	26	12	13		13	98	
Mine Service Ltd.	1716611	Pit 424	024	B	24	6	6		11	20	
R.E. Janes Gravel Co.	0812803	South Noodle	025	B	24	9	8		14	23	Partly Crushed
R.E. Janes Gravel Co.	0505402	Woods	015	B	26	21	22		19	51	Partly Crushed
South Texas Agg.	2215905	D and D	024	B	24	9	8		11	34	
Starr Aggregates, LLC.	2121401	Alto Bonito	014	A	30	12	10		9	85	
Texas Sand & Gravel	0418812	Kritser-Fain	014	A	30	8	9		10	73	
Thrasher S&G	2517302	Thrasher	014	A	29	14	12		13	78	
Upper Valley Mtrls.	2110905	Las Viboras	014	A	18	7	5		5	66	

Gravels											
Producer	Producer Code	Quarry	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI	Comments
						HMAC	ST	MS			
Valley Caliche	2110901	Beck	014	A	22	13	11		8	78	
Wright Mtrls.	2106701	Realitos	011	A	19	2	1		2	94	
XIT Sand & Gravel, LLC	0418010	XIT S & G Pit	014	A	34	10	9		11	90	
Zack Burkett	0325205	Smith	014	A	22	6	4		6	60	

◆ Igneous Rocks

Igneous											
Producer	Producer Code	Quarry	Material Code	SAC	RSLA	RSSM			RSMD	CA-RSAI	Comments
						HMAC	ST	MS			
Cemex	2407206	McKelligon-Granite	051	A	37*	23	24		13	95	See Legend
Cemex	0050310	Vado	032	A	23	7	6		12	97	
Granite Mountain Quarries	0050106	Plant 1	051	A	29	3	2		5	97	
Hanson Aggregates	0050439	Davis, OK.	032	A	17	9	9		11	94	
Jobe Materials, L.P.	2411613	Padre Canyon	051	A	30	11	9		12	94	
Jobe Materials, L.P.	2450314	Vado Quarry	032	A	26	11	9		13	95	
Martin Marietta Materials	1523213	Bird Hill	050	A	18	22	18		20	94	
Martin Marietta Materials	0050122	Jones Mill	040	A	17	3	3		6	96	
Martin Marietta Materials	0050433	Mill Creek(Grnt), OK.	051	A	30	3	2		8	98	
Martin Marietta Materials	0040105	Porcupine Mountain	051	A	20	2	1		4	97	
Martin Marietta Materials	0050435	Snyder, OK.	051	A	25	2	2		5	100	
Volcanic Stone	0050313	Cinder Mountain	041	A	28	14	13		17	99	
Vulcan Materials	1523206	Knippa	050	A	14	8	6		13	93	

◆ Lightweight

Lightweight													
Producer	Producer Code	Quarry	Material Code	SAC	RSLA	RSSM		RSMD	CA RSAI	Pressure Slake	FreezeThaw	Absorption	Dry Unit Wt
						HMAC	ST						
Trinity Expanded Shale and Clay	1817502	Streetman	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