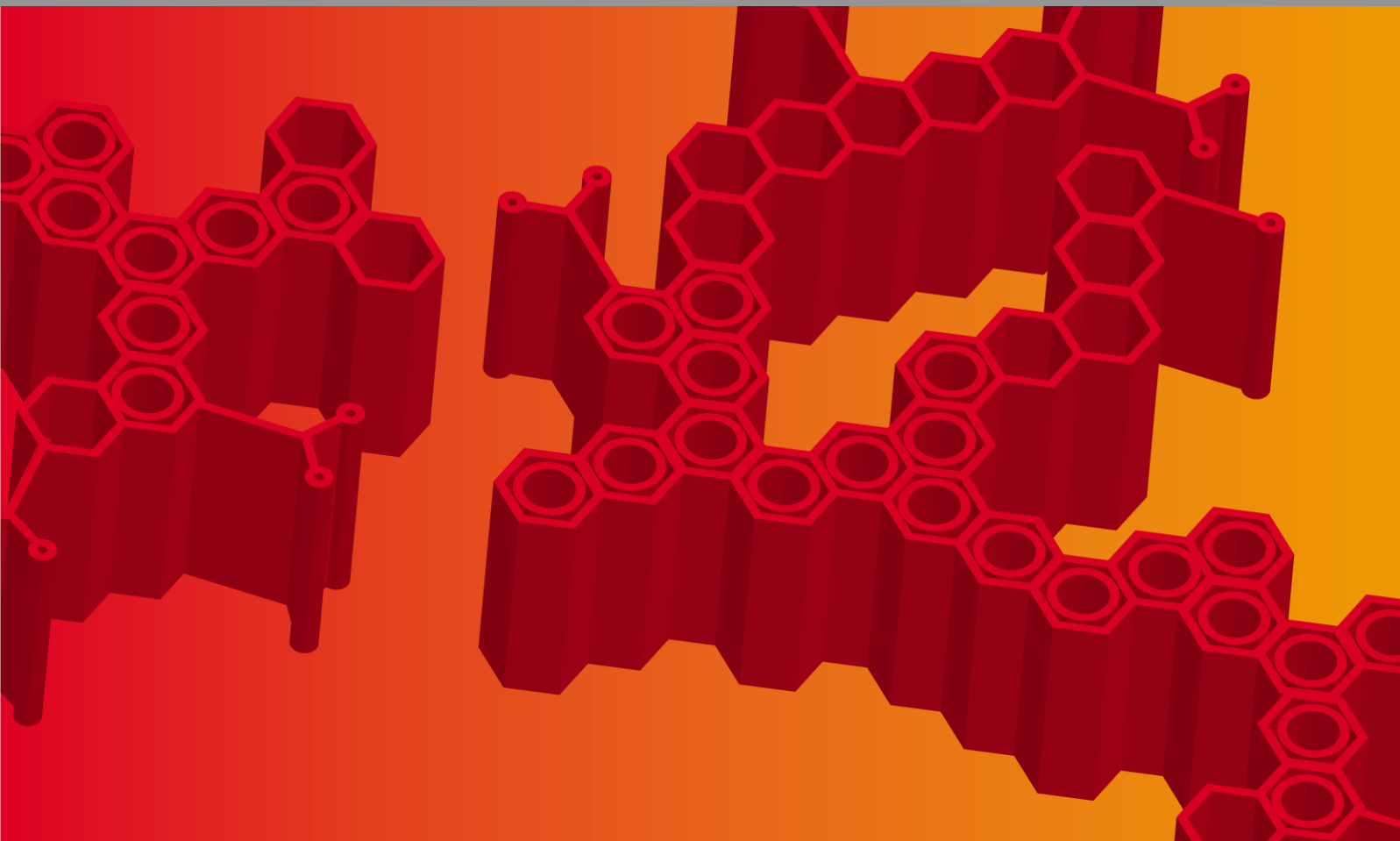




EMIRATES
Technical Lab

Emirates Technical Lab

**A Strong Commitment To
Quality And Enhancement**



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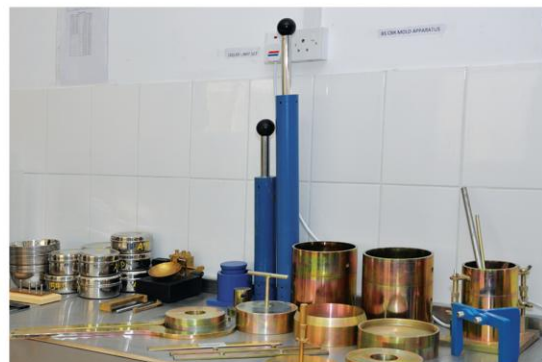
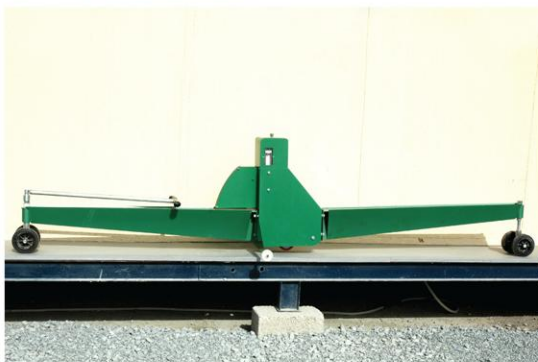
The Emirates Technical Laboratory is a state-of-the-art facility that was established in December 2008, with the aim to support evolution of the construction industry in the UAE. At Emirates Technical, we are fully committed to providing and maintaining high quality services, and creating lasting relationships with our clients.

The Laboratory is located at Sharjah Hamriyah Free Zone Phase-II, spread over an area of 800 square meters. The Laboratory is fully equipped with a highly technical testing lab, and skilled and competent manpower that is the backbone of ETL.

The Emirates Technical Lab is proud that its very first activity of Asphalt Testing was a big success and paved the way for expansion into other areas. Since then, the Lab has built on its technical capacity and expertise, and is currently carrying out physical tests on construction materials such as soil, concrete, aggregate, asphalt and bitumen.

All the tests are efficiently and accurately performed using BS and ASTM standards. Laboratory Management also includes a proficiency testing program that ensures that all the results are efficient and accurate.





The combination of experienced and dedicated staff with modern and specialized equipments has enabled us to provide you with state-of the-art, detailed and rapid material testing services at very competitive rates.

The Quality Management System of the Laboratory will be certified to ISO 9002:2000 and ISO 14001 Environment accredited to ISO/IEC 17025:1999 by Dubai Accreditation Centre and Dubai Municipality for soil, aggregate, concrete and asphalt very soon.

In the meantime, we promise to continue with the same commitment to meet the ever growing needs of your business construction.

LIST OF TESTS PERFORMED AT EMIRATES TECHNICAL LAB

SOIL			
1	SIEVE ANALYSIS (WET)		BS 1377 : P2
2	SIEVE ANALYSIS (DRY)		BS 1377 : P2
3	LIQUID LIMIT		BS 1377 : P2
4	PLASTIC LIMIT		BS 1377 : P2
5	PLASTICITY INDEX		BS 1377 : P2
6	LINEAR SHRINKAGE		BS 1377 : P2
7	DRY DENSITY / MOISTURE CONTENT RELATIONSHIP (4" MOULD)		BS 1377 : P4
8	DRY DENSITY / MOISTURE CONTENT RELATIONSHIP (6" MOULD)		BS 1377 : P4
9	CALIFORNIA BEARING RATIO (CBR)		BS 1377 : P4
10	INSITU DENSITY (SMALL POURING CYLINDER)		BS 1377 : P9
11	INSITU DENSITY (LARGE POURING CYLINDER)		BS 1377 : P9
CONCRETE			
12	SAMPLING OF FRESH CONCRETE ON SITE		BS 1881 : P101
13	SLUMP TEST OF FRESH CONCRETE		BS 1881 : P102
14	MAKING TEST CUBES FROM FRESH CONCRETE		BS 1881 : P108
15	MAKING TEST CYLINDERS FROM FRESH CONCRETE		BS 1881 : P110
16	NORMAL CURING OF TEST SPECIMEN		BS 1881 : P111
AGGREGATE			
17	SAMPLING OF AGGREGATE	ASTM D-75	BS 812 : PART 103.1
18	SIEVE ANALYSIS OF COARSE AND FINE AGGREGATE		BS 812 : PART 103.1
19	SPECIFIC GRAVITY OF COARSE AGGREGATE	ASTM C-127	BS 812 : PART 2
20	SPECIFIC GRAVITY OF FINE AGGREGATE	ASTM C-128	BS 812 : PART 2
21	SIEVE ANALYSIS OF MINERAL FILLER	ASTM D-546	
22	PARTICLE DENSITY OF FILLER		BS 812 : PART 2
23	SOUNDNESS	ASTM C-88	
24	FLAKINESS INDEX		BS 812 : PART 105.1
25	ELONGATION INDEX		BS 812 : PART 105.2
26	SAND EQUIVALENT TEST	ASTM D-2419	
ASPHALT MIXTURE			
27	ASPHALT MIX DESIGN	MS-2	
28	SAMPLING OF BITUMINOUS PAVING MIXTURES	ASTM D-979	
29	QUANTITATIVE EXTRACTION OF BITUMEN BY CENTRIFUGE METHOD	ASTM D-2172	
30	SIEVE ANALYSIS OF EXTRACTED AGGREGATE	ASTM D-5444	
31	THEORETICAL MAXIMUM SPECIFIC GRAVITY	ASTM D-2041	
32	MARSHALL PREPARATION	ASTM D-1559	
33	MARSHALL DENSITY & VOIDS ANALYSIS	ASTM D-1559	
34	MARSHALL STABILITY & FLOW TEST	ASTM D-1559	
35	THICKNESS & COMPACTION OF CORE	ASTM D-1188	
36	SPRAY RATE OF PRIME COAT & TACK COAT		
37	IRREGULARITY MEASUREMENT USING 3 METER TRAVELLING BEAM DEVICE		
BITUMEN			
38	PENETRATION OF BITUMINOUS MATERIALS	ASTM D-5	
39	SOFTENING POINT OF BITUMEN	ASTM D-36	
40	SPECIFIC GRAVITY OF SEMI-SOLID BITUMINOUS MATERIAL	ASTM D-70	





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