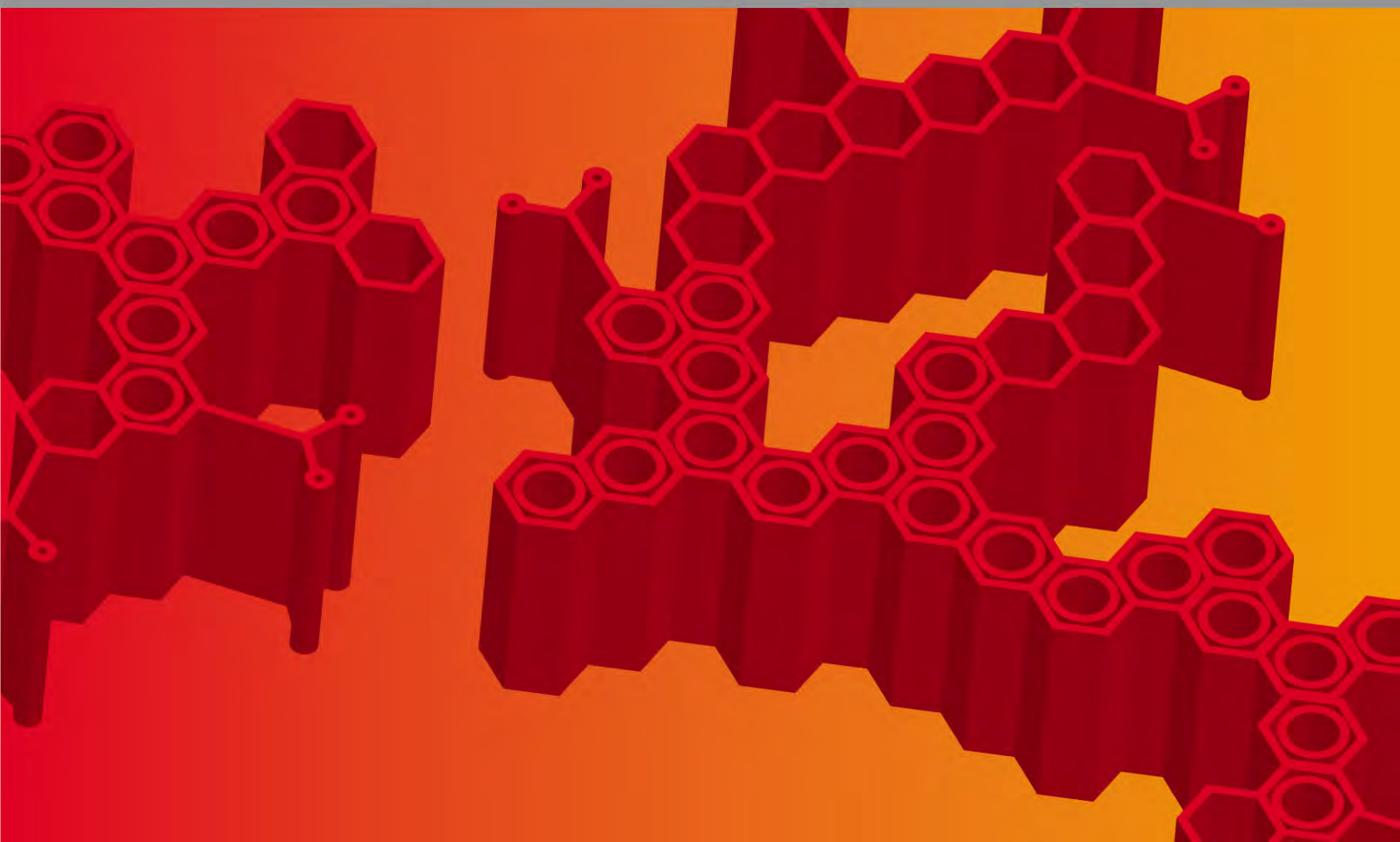




EMIRATES
Technical Lab

Emirates Technical Lab

**A Strong Commitment To
Quality And Enhancement**



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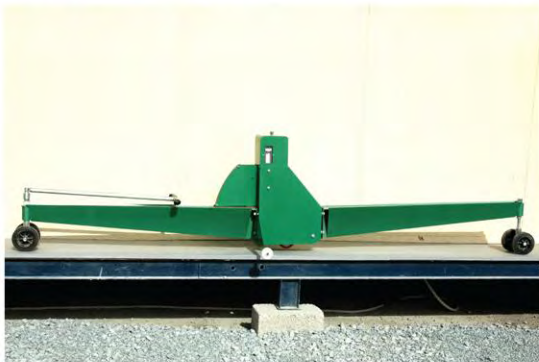
The Emirates Technical Laboratory is a state-of-the-art facility that was established in December 2008, with the aim to support evolution of the construction industry in the UAE. At Emirates Technical, we are fully committed to providing and maintaining high quality services, and creating lasting relationships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