

TECHNICAL STANDARDS FOR CONSTRUCTIONS

The **Technical Standards for Constructions (NTC)** define 'the principles for the design, execution and testing of constructions, with regard to the performance required of them in terms of the essential requirements of mechanical resistance and stability, including in the event of fire, and durability. They therefore provide the general safety criteria, specify the actions that must be used in the design, define the characteristics of materials and products and, more generally, deal with aspects pertaining to the structural safety of works'.

In the field of technical standards for construction, owing to ministerial authorisation in accordance with Legislative Decree 1086/71 and adaptation to the requirements of **Circular 7617/STC** of 8 September 2010 '**Execution and certification of tests on construction materials**', tests are regularly carried out in our laboratories on

- hydraulic binders;
- reinforcing steel;
- hardened and fresh concrete;
- electro-welded meshes and lattice girders;
- reinforcing steel bars;
- strands.



The **MTIC InterCert Srl** laboratory is therefore an ideal partner for all those involved in the realisation of engineering works: public administrations, prefabrication industries (construction companies, designers, works managers and testers by carrying out laboratory and on-site tests).

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**MTIC INTERCERT Srl IS A LABORATORY AUTHORISED BY THE MINISTRY OF
INFRASTRUCTURES AND TRANSPORT FOR THE PERFORMANCE AND CERTIFICATION OF
TESTS ON CONSTRUCTION MATERIALS IN ACCORDANCE WITH MINISTERIAL
CIRCULAR 7617/STC AND L 1086/71,**

CARRIES OUT TESTS FOR THE RELEVANT SECTOR "A":

- steel (reinforcement bars, electro welded mesh, metal profiles, strands, etc.)
- concrete
- bricks
- hydraulic binders
- aggregates

**MTIC INTERCERT Srl IS A LABORATORY AUTHORISED BY THE MINISTRY OF
INFRASTRUCTURE AND TRANSPORT FOR THE PERFORMANCE AND CERTIFICATION OF
TESTS ON SOIL AND ROCKS AND CARRIES OUT TESTS FOR SECTOR A OF CIRCULAR
7618/STC IN THE SPECIFIC SECTOR:**

- water content
- unit volume weight
- particle size for sedimentation and
- sieving
- Atterberg limits
- shrinkage limits
- relative density
- organic substances
- edometric tests at load increments
- unconfined compression tests
- shear with Casagrande apparatus
- triaxial compression test
- CBR bearing capacity index
- compaction test with (standard or modified AASHO
- Permeability test

MTIC INTERCERT Srl ALSO PERFORMS:

- outdoor tests such as in-situ density, plate load tests, sampling and tests on hardened concrete;
- chemical-physical soil characterisation tests for the purpose of reclamation of an area;
- tests in accordance with Decree 5/4/2006 no. 186 regulation for the identification of non-hazardous waste subject to the simplified recovery procedure;
- tests in accordance with Decree 27/9/2010 setting out the criteria for admissibility of waste in landfills;
- tests in accordance with Presidential Decree No. 120 of 13 June 2017, regulation governing the use of excavated earth and rocks;
- chemical analyses on waste in order to determine the hazardousness of the waste;
- all chemical-physical analyses on cement, additives, mix H₂O, geotextiles and tests on bitumen and bituminous conglomerates.

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OUR REFERENCES	
 Ing. E. MANTOVANI MANTOVANI (EXPO 2015)	VIRIDIA (EXPO 2015)
 EUROMILANO (EXPO 2015 – Renovation. Cascina Merlata)	 METROPOLITANA MILANESE (Line 3- Dergano Affori section) (Castellanza/Saronno/MXP section)
EUROVIE Scarl Parma/Bologna High Speed Line)	Cav.To.MI (Novara/Rho high-speed line)
 PAOLO BELTRAMI SpA (Legnano Hospital - Abbiategrasso)	ZUBLIN (New Mercedes Benz Pero Headquarters) NUOVO POLO FIERISTICO (Milanese stretch NPF/Molino Dorino) COVAR Scarl (Porta Nuova –Varesine)
 SALCEF FERROVIE NORD (Saronno - Seregno line upgrading)	MUGELLO LAVORI (New Ikea premises)
Soc. ARENGARIO - Museo \ Novecento	 CALTAGIRONE Gruppo Caltagirone
 SPEA - Autostrade per l'Italia (A1/A4/A8/A9 sections)	NICO Scarl (Niguarda Hospital)
 TRE TORRI SCARL (City Life)	 CMB (Milano Bicocca – viale Sarca) (Hotels Fiera - Rho/Pero) (CityLife - Isozaky Tower) (CityLife, Hadid Residences)