



LA.P.I. LABORATORIO PREVENZIONE INCENDI Srl

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EUROPEAN FIRE TEST LABORATORY: LA.P.I.'s ACTIVITY

LA.P.I. is a private laboratory which has been active since 1983 in the field of industrial analysis and testing. Specialised in testing reaction to fire, where the company has a leading position on the European level, for some time now LA.P.I. has undertaken analysis in other sectors, while preserving its identity as a fire-testing laboratory. This has enabled increasing the number of services now available to customers and has enabled simultaneous preservation of the leadership gained in about 20 years of specific activity.

The fields of activity the Laboratory is engaged in are:

- reaction to fire tests for classification of building products according to the Italian Regulation
- smoke opacity and toxicity for the transportation industry (marine, railways, aeronautic)
- reaction to fire, smoke opacity and toxicity for marine equipment according to IMO – FTP Code; recognised by USCG; 96/98 EC MED
- according to European Construction Product Directive LA.P.I. has been notified as an inspection and certification body – 89/106 CEE CPD

TECHNICAL BULLETIN 603 (NIST BURNER APPROVED)

The test for upholstered furniture is effected on the actual, finished product, which is submitted to the action of a NIST dual burner

The test is effected by placing the mattress in a standard room (3000x3500x2400 mm approximately) or under a standard hood

The mattress is submitted to the impingement of the flame from two tubular NIST burners having a total power output of 29 kW

The test lasts a hour, while the flame impingement lasts 70 s for the burner on the top surface of the mattress and 50 s for the side of the mattress.

The measured parameters are

- heat release rate peak must be lower than 200 kW
- total heat evolved during the first 10 minutes of the test – it has to be lower than 25 MJ

If the two requirements above are complied, the test is passed



THIS STANDARD WILL BE COMPULSORY STARTING FROM 1ST JANUARY 2005