



ATG Mark

Alloys and fluxes for soldering, brazing and braze welding

Why to buy ATG products?

ATG Mark ensures quality and safety of fittings of alloys and fluxes for soldering, brazing and braze welding of gas pipe made of steel or copper.

Certification procedure is managed by CERTIGAZ, a certification body specialised for gas equipment, on behalf AFG (French Gas Association).

CERTIGAZ use a network of accredited testing laboratories and its team of specialised auditors.

For ATG Mark certification, brazing alloys and fluxes are regularly tested by accredited testing laboratories and manufacturing premises are audited at least every year according to ATG/REGBRAS certification rules (available at www.certigaz.fr).

How to recognize ATG products?

- Check that ATG logo is put on the package,
- Ask the manufacturer a copy of their ATG certificate,
- Read the list of certified products at www.certigaz.fr.

Regulation of gas installations in buildings

The "arrêté du 15 juillet 1980 modifié rendant obligatoires des spécifications techniques relatives à la réalisation et à la mise en œuvre des canalisations de gaz à l'intérieur des bâtiments d'habitation et de leur dépendance" requires conformity of alloys and flux used for assembly of gas pipes to specifications ATG B.521 et B.524. It recognizes ATG Mark as a proof of conformity of products to gas regulation.

Installation rules are given by "arrêté du 2 août 1977 modifié relatif aux règles de sécurité des installations de gaz" and by standard NF P 45-204.

Regulation of distribution networks

According to article 6 of « arrêté du 13 juillet 2000 portant règlement de sécurité de la distribution de gaz combustible par canalisations », the network operator is responsible for the choice of equipment and material used in the network.

Welding, brazing, soldering and braze welding processes are described in AFG specification RSDG 3.

A sign of conformity

ATG Mark gives a proof of conformity to regulation of soldering and brazing products for gas installations (arrêté du 2 août 1977).

It is also widely accepted and prescribed by main buyers of those products (network operators, GSB/GSG, grocers...).

Which product must be used?

Soldering and brazing products are classified depending on the material of pipes (steel or copper) and type of assembly process :

- Soft soldering (melting temperature lower 450°C);
- Hard brazing (melting temperature over 450°C);
- Braze welding.

They must conform to hereunder listed ATG specifications :

- ATG B. 521-11 : Alloys and fluxes for braze welding of steel pipes;
- ATG B. 521-12 : Alloys and fluxes for hard brazing of steel pipes;
- ATG B. 524-3 : Alloys and fluxes for hard brazing of copper pipes;
- ATG B. 524-4 : Alloys and fluxes for soft soldering of copper pipes;
- ATG B. 524-7 : Alloys and fluxes for braze welding of copper pipes.

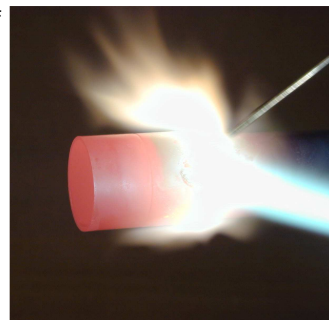


Photo Institut de Soudure

It is forbidden to use soft soldering for collective parts of household gas installation or in open to public premises.

Soft soldering is possible only for installations inside the house, at a pressure up to 400 mbar for individual dwellings, at a pressure up to 50 mbar for collective dwelling and for identical repairs.

For all assembly modes, it also exists restrictions for use according to diameter of pipes which differ according to the type of installation (household, commercial, industrial).

Note : Collective parts of gas installations in living dwellings and installations at a pressure above 400 mbar in open to public premises must be realised by operators duly qualified for the related assembly mode and pipe material.

Products characteristics are controlled

Main characteristics certified by ATG Mark are :

- Chemical analysis;
- Standard grip resistance (for braze welding products);
- Braze ability;
- Mechanical resistance of assembly;
- Marking and packaging.

Note : Only couples of alloys and fluxes are certified.

Their respective package must refer to same ATG registration number. Never use a brazing or soldering alloy with a different flux than the prescribed by the manufacturer.



Photo CASTOLIN

Tests and verifications made for first delivery of the ATG Mark, but also permanently during manufacture and regularly by sampling, allow to ensure the conformity of products to applicable specifications according to certification rules drafted with contribution of all interested parties (manufacturers, customers, authorities, laboratories) in order to satisfy permanently market needs.