

**WATER DISTRIBUTION OR DRAINAGE  
PIPES****Technical document  
08-07 Pictograms**

Pictograms

Technical Document 08-07 Rev00  
03/07/2019

CSTB (Centre Scientifique et Technique du Bâtiment), a public establishment supporting innovation in construction, has five key activities—research and expertise, assessment, certification, tests, and dissemination of knowledge—organised to meet the challenges of the ecological and energy transition in the construction sector. Its fields of expertise include construction materials, buildings and their integration into districts and towns.

With over 900 employees, its subsidiaries and networks of national, European and international partners, the CSTB group works for all the stakeholders in the construction sector to advance building quality and safety.

Any reproduction or representation, in whole or in part, by whatever means, of the pages published in this technical document and executed without the authorisation of CSTB is illegal and constitutes a counterfeit. The only authorised exceptions are 1) reproductions strictly reserved for the use of the typist and not intended for any collective use or 2) analyses and short quotations required due to the scientific or informational nature of the work in which they appear (article L.122-5 of the Intellectual Property Code). This document has been drawn up under the initiative and direction of the CSTB, which has brought together the opinions of all interested parties.

© CSTB

## MODIFICATION HISTORY

<b>Revision No.</b>	<b>Application date</b>	<b>Modifications</b>
00	03/07/2019	Creation of the technical document

## TABLE OF CONTENTS

PARTIE 1.....	5
1 PICTOGRAM DEFINITIONS.....	5
1.1 Certified characteristic: recognised fields of use.....	5
1.2 Certified characteristic: resistance to oxidation.....	7
1.3 Certified characteristic: durability.....	7
PARTIE 2.....	8
2 CONDITIONS FOR USE OR MARKING AND GRAPHIC CHARTER.....	8

## PARTIE 1.

### 1 Pictogram definitions

CSTB has developed pictograms to optimise visual communication of the certified characteristics. Using pictograms:

- makes it easier for users of the products to recognise the certified characteristics;
- makes the choice of products by users with regard to the planned usages more reliable,

The meaning of the pictograms is described below.





The pictograms can only be used in addition to the QB certification mark (see part 2).







A pictogram can be used if, and only if, the corresponding characteristic is certified.


These pictograms are intended for traditional or non-traditional products.

#### 1.1 Certified characteristic: recognised fields of use


Each product may be suited to one or more fields of use. The recognised fields of use are identifiable by means of the following pictograms:

Pictogram	Definition of the recognised field of use
	<p><b>Domestic water - Contact with potable water:</b></p> <p>This pictogram is applicable to products compatible with a potable water network and which can therefore be in contact with potable water. This includes products:</p> <ul style="list-style-type: none"> <li>- for which the usage class is as follows: Class 2: 6 bar - Domestic hot water supply (and domestic cold water supply 20°C /10 bar), according to Standard ISO 10508,</li> <li>- and having a Health Compliance Certificate (ACS) delivered by one of the laboratories authorised by the ministry in charge of health in order to check the sanitary conformity of materials and objects in contact with water for human consumption in application of article R*. 1321-52 of the Public Health Code.</li> </ul>
	<p><b>Non-domestic water - Contact with non-potable water:</b></p> <p>This pictogram is automatically assigned to products which are not intended to be implemented in a domestic water network because they cannot be in contact with potable water.</p> <p>This includes any product which does not satisfy the criteria above.</p>
	<p><b>Radiator high temperature heating:</b></p> <p>This pictogram is applicable to products designed to be implemented in a high temperature heating network, generally supplying radiators, for which the usage class is as follows: Class 5: 6 bar - High temperature radiators, according to Standard ISO 10508,</p>
	<p><b>Low temperature heating:</b></p> <p>This pictogram is applicable to products designed to be implemented in a low temperature heating network, generally for heated floors, for which the usage class is as follows: Class 4: 6 bar - Low temperature radiators, underfloor heating, according to Standard ISO 10508,</p>


	<p><b>Chilled water:</b> This pictogram is applicable to products designed to be implemented in a cold air conditioning network for which the usage class is as follows: "Chilled water" class: 10 bar - according to Standard ISO 10508,</p>
	<p><b>Gravity flow drainage:</b> This pictogram is applicable to products designed to be implemented in a gravity flow drainage network,</p>
	<p><b>Siphon drains:</b> This pictogram is applicable to products designed to be implemented in a siphon flow drainage network,</p>
 <p>ESA 4</p>	<p><b>ESA 4 gravity flow drainage:</b> This pictogram is applicable to products designed to be implemented in a gravity flow drainage network with ESA4 classification for the purpose of acoustic solutions for water drainage pipes defined by the DHUP,</p>
 <p>ESA 5</p>	<p><b>ESA 5 gravity flow drainage:</b> This pictogram is applicable to products designed to be implemented in a gravity flow drainage network with ESA5 classification for the purpose of acoustic solutions for water drainage pipes defined by the DHUP</p>
	<p><b>Renovation:</b> This pictogram is applicable to renovation procedures intended to be implemented in water distribution networks,</p>

Pictogram	Compatibility characteristic between pipes and fittings
	<p><b>Pipes and fittings compatibility:</b> This pictogram is applicable to QB-labelled products for which all the pipes and fittings are compatible whatever the manufacturer. This compatibility has been checked by testing.</p>

## 1.2 Certified characteristic: resistance to oxidation

Pictogram	Resistance to oxidation characteristics
	<p><b>Resistance to oxidation:</b> This pictogram is applicable to products for which the resistance to oxidation is demonstrated in conclusion to additional tests conducted in accordance with Standard NF EN 728. These products have a probable lifetime which is longer than those which are not certified.</p>

## 1.3 Certified characteristic: durability

Pictogram	Durability characteristic
	<p><b>Durability:</b> This pictogram is applicable to products which have demonstrated that their foreseeable durability is greater than 50 years in conclusion to the product standards in question.</p>

## PARTIE 2.

---

### 2 Conditions for use or marking and graphic charter

The pictograms are used to optimise visual communication of certified characteristics on all the certificates of the relevant products.

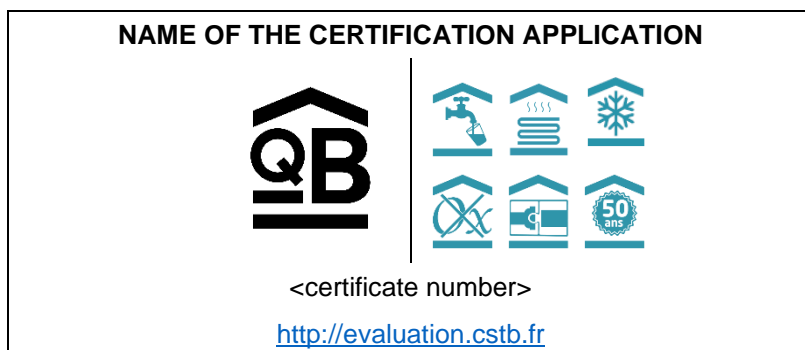
The pictograms can only be used in addition to the QB certification mark.

A pictogram can be used if, and only if, the corresponding characteristic is certified and therefore exclusively if the pictogram appears on the certificate of the relevant product.

The use of these pictograms must be compliant with the graphic charter of the QB certification mark, “classification” section.

The size of the pictogram display must be such that they remain clearly recognisable.

For example:



These pictograms can be displayed:

in colour (Pantone 7459C) on a white background or

- in monochrome black on light-coloured backgrounds or
- in monochrome white on dark-coloured backgrounds.

These pictograms are part of the communication elements attached to the certified characteristics and are used under the responsibility of the holder of the certification.

A holder is free to choose whether to communicate about the certified characteristics of its product using text, via pictograms or combining text and pictograms.

These pictograms can be used by holders and if applicable by the distributors of their products, in compliance with the rules governing communication about the certification and the certified characteristics.