

sink

wash-
basin
bidet

shower

bath-
shower

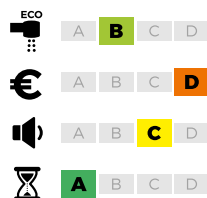
Standard
mixer

Mechanical
mixing valve

Thermostatic
mixing valve

Electronic
faucet

ECAU



E0 C0 A1 U3

Product awarded
NF 077 certification

CSTB
le futur en construction

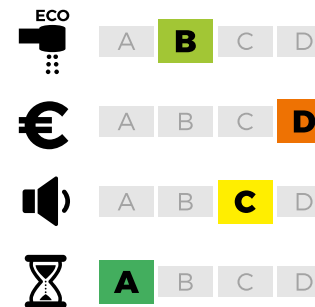
Find the right
product
for your use at
ecau.cstb.fr

Contact:
✉ ecau@cstb.fr

ECAU

Understand
classification
of sanitary
tapware

ECAU



E0 C0 A1 U3

Product awarded
NF 077 certification

CSTB
le futur en construction

Choose the best suited tapware with ease

Sanitary tapware can address constraints that vary based on specific requirements and stress conditions in washbasins, showers, bathtubs, sinks and bidets.

ECAU classification describes the performance of sanitary tapware products in terms of water savings, energy efficiency, noise level and service life.

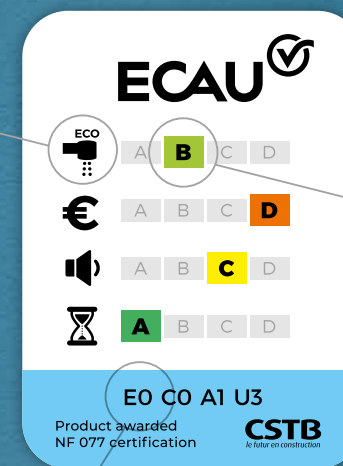
To increase the visibility of these performance criteria and enable professionals and end users to find them at a glance, the Scientific and Technical Center for Building (CSTB) is offering a new label for ECAU classification. Straightforward and intuitive, this new ECAU graphic design makes selecting fit-for-purpose tapware easy.



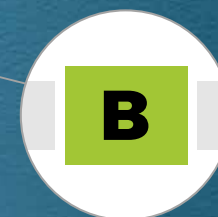
ECAU[✓] classification a simple choice!

The ECAU label indicates the four performance criteria of the classification, represented by pictograms and the A-to-D rating scale (A is the top classification).

Each ECAU performance criterion is shown by a pictogram.



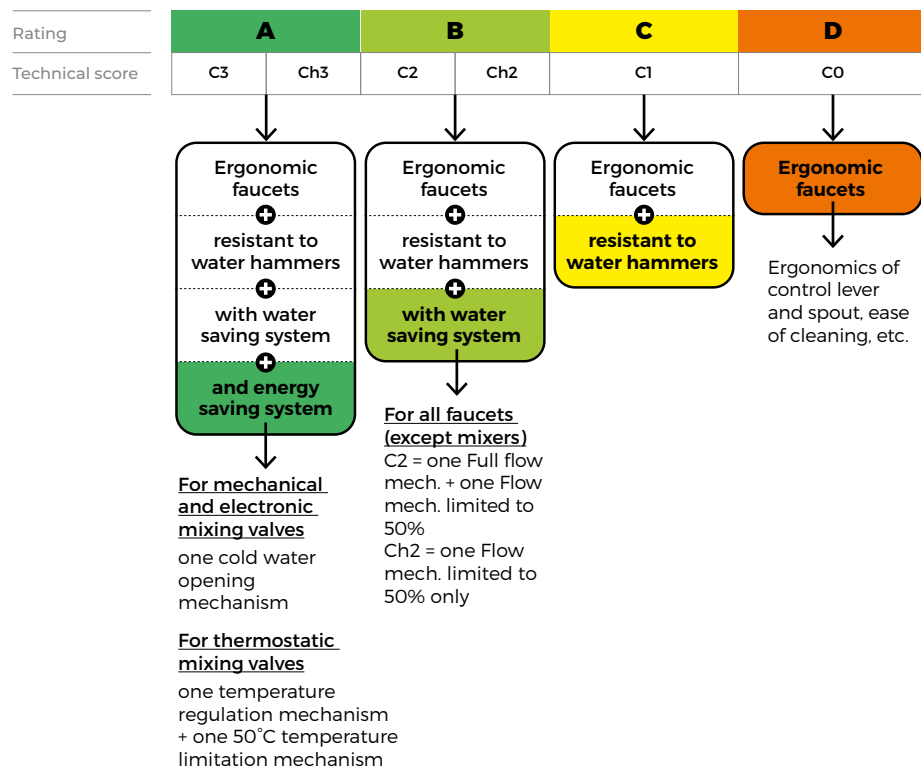
A rating scale from A to D enables you to quickly see the performance level.



The technical score breakdown provides further guidance.






Performance criterion **C** represents two characteristics summarized in one letter and covers more than the other ECAU classifications: ergonomics, water and energy saving systems (reducing the volume of hot water results in lower electricity consumption).

Performance criterion C depends on the tapware design

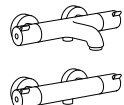
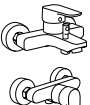
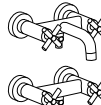
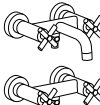


Performance criterion C also depends on the type of faucet and its use

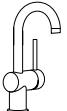
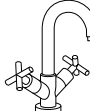
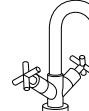
Washbasin / bidet

				
Electronic faucet	Thermostatic mixing valve	Mechanical mixing valve	Ceramic mixer	Standard mixer
A C3 / Ch3	A C3 / Ch3	A C3 / Ch3		
A C2 / Ch2	B C2 / Ch2	B C2 / Ch2		
	C C1 / Ch1	C C1 / Ch1	C C1	D C0

Bath-shower / shower faucets

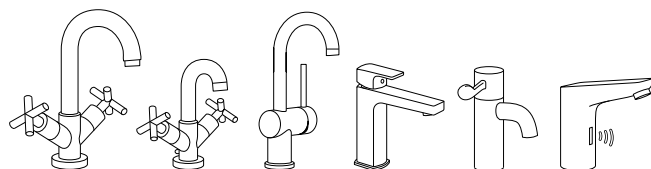
			
Thermostatic mixing valve	Mechanical mixing valve	Ceramic mixer	Standard mixer
A C3 / Ch3			
B C2 / Ch2	B C2 / Ch2		
C C1 / Ch1	C C1 / Ch1	C C1	D C0

Sink faucets

		
Mechanical mixing valve	Ceramic mixer	Standard mixer
A C3		
B C2		
C C1	C C1	D C0

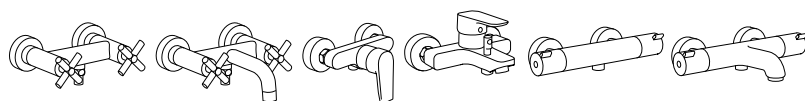


Technical criterion **E** characterizes Economizing Water based on **faucet flow rate**. It depends on the criterion C results.



Washbasin / bidet / sink faucets

Flow rate at 3 bar (L/min.)	4	6	8	10	12	14	16	18	20 and +
Rating	A			B		C		D	
Technical score if Comfort score = C0, C1, Ch2 or Ch3	E00			E0		E1		E2	
Technical score if Comfort score = C2 or C3	E0			E1		E2		E3	



Bath-shower / shower faucets

Flow rate at 3 bar (L/min.)	6	8	10	12	14	16	18	20	22	24 and +
Rating	A			B			C		D	
Technical score if Comfort score = C0, C1, Ch2 or Ch3	E02			E0			E1		E2	
Technical score if Comfort score = C2 or C3	E0			E1			E2		E3	



Performance criterion **A** specifies the **noise level of the tapware**.

Noise level at 3 bar (dB(A))	5	10	15	20	25	30	35	40 and +
Rating	A		B		C		D	
Technical score	A3		A2		A1		A0	



Performance criterion **U** corresponds to the **service life of moving parts of the faucet**.

Rating	A	B	C	D
Technical score	U3	U2	U1	U0
Rotating valve	500 000	350 000	200 000	< 200 000
Mechanical cartridge	175 000	122 500	70 000	< 70 000
Automatic diverter	80 000	50 000	30 000	< 30 000
Spout	200 000	140 000	80 000	< 80 000
Number of cycles before wear				