

SANITARY APPLIANCES**Technical document 017-04**

Preferred fields of use for enamelled
sanitary appliances

Technical document 017-04 rev. 00

21/12/2018

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MODIFICATION HISTORY

Revision no.	Application date	Modifications
00	21/12/2018	Update to the document layout and reference

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1. Preferred fields of use for enamelled sanitary appliances

The following information shall appear in the manufacturer's catalogue.

For enamelled sanitary appliances, three wear classes have been defined as a function of the resistance to abrasion of their coating.

This resistance is defined by a standard test (NF D14-501) commonly called the PEI abrasion test.

According to this method, the enamelled surfaces are progressively worn by mechanical friction by steel balls and an abrasive.

The degree of wear is evaluated in 3 classes by a visual examination:

Class	(N) – Number of cycles starting from which visible wear appears
I	50, 100 and 150
II	200, 300, 400, 500 and 600
III	N > 600

This classification leads to the following recommended fields of use that must be specified in the various documents:

Usage severity	Wear class
- Light private use e.g.: Equipment in a private house or an apartment	I - II - III
- Intensive private or light collective use e.g.: Hotels, public toilets, brasseries	II - III
- Intensive collective use e.g.: Gymnasium, stadium, camp site.....	III (exclusively)

The usage ranges mentioned do not form a limitative list.

The examples given refer essentially to the use of sanitary appliances under normal usage conditions. Experience has shown that current wear class assignment criteria were not sufficient to guard against loss of brightness and dulling when the enamelled sanitary appliances are subjected to more severe usage conditions.

It is recommended that the technical services of sanitary appliance manufacturers should be contacted for particular usages for which a doubt remains.