

SANITARY APPLIANCES**Technical document 017-06**

Complementary specifications applicable to
sinks made of synthetic materials

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MODIFICATION HISTORY

Revision no.	Application date	Modifications
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Contents

1	Water absorption	5
2	Colour fastness under hot water	5
3	Colour fastness under light.....	5
4	Strength of the drain board	6
5	Dimensional characteristics	6
6	Flow	6
7	Mechanical shocks.....	6

Sinks made of synthetic materials shall comply with Standards NF EN 13310 and NF EN 695. They shall also satisfy the following specifications:

1 Water absorption

NF EN ISO 62, Method 1, square specimen (50 ± 1) mm

Specification: ≤ 40 mg

2 Colour fastness under hot water

Operating procedure:

Cut out two 25x100 mm specimens from the bottom of the sink to be tested.

Keep one of the two specimens as a control.

Fix the other specimen onto an appropriate support and apply the following cycle to it:

- Immersion in water at $90 \pm 1^\circ\text{C}$ for 15 minutes then,
- Immersion in water at $15 \pm 2^\circ\text{C}$ for 10 minutes.

Repeat this cycle 500 times.

Allow the specimen to dry for 24 hours at room temperature ($23 \pm 2^\circ\text{C}$) before comparing it with the control specimen.

Note the colour fastness of the material using the grey scale to evaluate the colour degradation as specified in Standard NF EN 20105-A02.

Specification:

Index ≥ 3 (colour degradation according to Standard NF EN 20105-A02)

3 Colour fastness under light

NF EN ISO 4892-2 Method B – 50% RH

Temperature with standard black thermometer 65°C

Lighting with energy 0.5GJ/m^2 , within the wavelength range between 290 nm and 800 nm.

Specification:

Index ≥ 3 (colour degradation according to Standard NF EN 20105-A02)

4 Strength of the drain board

Operating procedure:

Put the sink on an appropriate non-deformable support.

Fix the sink using the attachment lugs provided or any other equivalent means.

Put a dial gauge into position under the sink at the centre of each basin. Initialise the dial gauge(s).

Apply the load by means of a piston or any other appropriate means, at the centre of the drain board on an assembly composed of a rigid surface, covering 200x200 mm or less and a piece of cardboard with the same dimensions and between 5 and 10 mm thick. The total load applied shall be 130 \pm 2 kg.

Leave the load for 1 hour, then remove it and the rigid surface/cardboard assembly.

After 1 hour, note the residual deformation indicated by the dial gauge(s).

Perform a water flow test on the drain board.

The residual deformation under the basin at the end of the test shall be \leq 1 mm and the appliance shall show no sign of deterioration or water stagnation on the drain board upon visual observation.

5 Dimensional characteristics

Check the overall dimensions announced by the manufacturer.

The tolerance on these dimensions is \pm 2 mm.

Angularity:

The deflection measured in accordance with section 4.2 in Standard NF D14-510 shall remain less than 2% of the measured edge length.

Straightness of placement edges (edge in contact with the countertop, for example):

The deflection measured in the two planes (vertical and horizontal), measured in accordance with chapter 4.4 in Standard NF D14-510 (sink fitted on the countertop) shall be less than 1% of the measured edge length.

6 Flow

The basin bottom and drain boards shall be designed so that all liquids flow towards the drain orifice.

The slope of the drain board shall be at least 0.6%.

7 Mechanical shocks

Standard NF EN 198

No sign of deformation shall be observed.