

History of the Term “Deburr”

Note: Some of the numerical locators in older standard references may no longer be accurate as they have changed over the years.

Standard 170 Definition of Deburred: To remove rough or sharp surfaces that may cause injury.

Inherent in the definition is that it has been rendered safe for the surfaces intended sanitation purposes. The entire definition was geared around the understanding that it the specified surface be rendered safe.

Standard 2 Task Group Meeting (STG-FEF-6-00meeting-summary.pdf)

M. Schwartz proposed rewording the beginning of the last paragraph in section 5.15 to say “If the profile edge is formed into a channel-like...” He also suggested using the work “deburred” instead of “smooth” in the second bullet and removing the clause about fingers. The Task Group agreed. A definition for “deburr” will be added to the Standard.

The term was added from the manufacturers because it was the more common term from their perspective and since they are the ones that needed to meet the Standard requirements, it was added. To avoid misunderstanding about the intent of this change, the above deburr meaning was added with safety as the emphasis. At no time was this term to infer that the areas in question would be rendered hard to clean because of safety concerns in the intended zone, but rather just the contrary.

Standard 2 Task Group Meeting (STG-FEF-6-00meeting-summary.pdf)

Based on suggestions by B. Finkelstein and J. Brady the Task Group agreed to removing the terms “easy opening” from 5.18.3 and replacing them with “removable.” M. Schwartz proposed changing the Note under section 5.18.1 and making it section 5.18.1.1. The Task Group agreed. In section 5.18.1, T. Vogel suggested replacing “easily cleanable” with **deburred**. It was then proposed to end this sentence after “readily removable.” M. Kohler felt the rest of the sentence regarding the space behind the louver should be left in the standard. It was then proposed that the wording from the last draft (section 4.24) be used. Furthermore, it was suggested that under 4.24 of the last draft, that “for compressor compartments” be removed from the last bullet and that the screening paragraph be removed since it is now covered under 5.18.3 and 5.18.2 of the current draft. The Task Group concluded that Section 5.18 should be comprised of the first 3 bullets from 4.24 of the last draft as revised and 5.18.1 should be comprised of the fourth bullet from the previous draft.

Here we see the request for the change from easily cleanable to deburred from the Public Health/regulatory representation of the Task Group. This further reveals the mindset and intent of the Task Group when this term was incorporated.

JC Teleconference Call (JCteleconf10-15-01.doc)

5.14 and 5.16.2

The Joint Committee agreed with M. Schwartz's suggestion to remove "smooth" from 5.14 because it is redundant. The term "deburr" is already defined in NSF 170 as "to remove sharp or rough surfaces which may cause injury." For consistency, the term "deburred" will also replace "free of sharp edges and burrs" in 5.16.2.

Here we see the removal of the phrase "free of sharp edges and burrs" because the definition of the term deburred covered this intent.

JC Teleconference Call (JCteleconf10-15-01.doc)

5.38.2

Splash zone areas of sinks are required to be smooth. After further discussion, the Joint Committee decided that other surfaces should be deburred, but not necessarily smooth. L. Edwards pointed out that an illustration would help clarify which sections are required to be smooth. M. Schwartz commented that he and Joe Phillips (NSF International) had discussed including different zone illustrations into the standard. This idea will be discussed again once more work is completed.

Here the need to segregate areas that need to be smooth from those areas that only need to be deburred.

Standard 170 definition of "smooth"

3.191 smooth: Free of pits, pinholes, cracks, crevices, inclusions, rough edges, and other surface imperfections detectable by visual and tactile inspection.

Summary:

Areas that require being deburred or smooth or both using the Standard 170 definition of the terms to meet the intended sanitation intent should be so stated.