

Conditions for use of the certified material

The non-sparking tools made of the certified material aluminum-bronze are appropriate for use in potentially explosive atmospheres of the zones 1 and/or 21 of all explosion groups, if the following terms and conditions are met:

- The material composition of this material shall comply with the material composition of the tested samples, namely:
 - o Aluminum-bronze:
Al: 10.0% to 12.0%; Ni: 4.0% to 6.0%; Fe+Mn: 5.8%; Cu+Al+Ni+Fe+Mn: 99.0%;
hardness degree: 221-291 HB, according to letter of September 21, 2015 and
manufacturers declaration of December 11, 2020
- The intended use of the tools made of the certified material shall be described by the certificate holder in such a manner that the max. absorption of mechanical energy during a possible impact of the tools on the ground does not exceed 60 Nm. This corresponds to a falling height of 10 metres of a tool with a weight of for example 6 N (approx. 600 g). This statement is valid only for a concrete quality of the composition used for testing, as follows:

Composition of the concrete: aggregate, marble 0 mm to 1 mm, limestone, white, 0 mm to 5 mm, category CEM II/B-II 42.5 R (according to letter of September 21, 2015)

Berlin, 2021-01-18

Place, Date



J. Sander

Signature BZS

“Both materials AL-BR & CU-BE, have passed the testing defined against impact partner concrete with 60 Nm and therefore are appropriate for use in zones 1/21 of all explosion groups in the terms set out.

Attached you can find the certifications. However, as certificate holders, we have to state that notwithstanding low-spark properties of the materials, the user of hand tools that are made of those materials should handle them with care especially in explosive atmospheres.

In case you use these certificates towards other parties, please note that the certificate must be shown / used / presented in its complete version, i.e. front page + annex to be valid. Should you/third parties do otherwise, SNA Europe’s liability will not be engaged”.

SNA Europe



Lyngbygårdsvej 28a
8220 Brabrand
Tlf.0045-86263533
e-mail:ab@absvejs.dk