



# New EN 12472:2020 standard for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items

CEN has published a revised standard EN 12472:2020 which is a test standard for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items. According to the REACH ANNEX XVII entry 27, the nickel release content should not exceed the required limits for a period of at least two years of normal use of the article, and so a harmonized method is necessary to simulate the two year article usage for the purpose of demonstration of conformity.

## In the updated 2020 version of EN 12472, the following points are added or amended:

- Confirm that this standard should not apply to articles with an outer coating containing nickel
- Reaffirm that the nickel release test should be carried out with the below two standards (align with the harmonized standards already published in EU Official Journal)
  - EN 16128 - for spectacle frames and sunglasses
  - EN 1811 - for other articles with prolong skin contact
- Clarify the purity requirements of lactic acid reagent, which is used in the preparation of corrosive medium, should be a purer grade “> 88%” instead of the previous “> 85%”
- Change the granules used for the wearing procedure from a source of mixed coconut and nut shells to using coconut shells only
- Accept the usage of non-metallic support to carry out the corrosion procedure if the test part cannot be suspended
- Rewrite significantly the A.3 of Annex A (Informative) to provide comprehensive reference details on how to attach spectacle frames and sunglasses to the retaining assembly for the wearing procedure

EN 12472:2020 shall obtain the official standard status once it is published on EU Official Journal as the reference of harmonized standards under Regulation 1907/2006 for REACH Regulation.

## Enquiry

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