

Brussels, XXX [...](2024) XXX draft

ANNEX

ANNEX

to

Commission Delegated Directive

amending Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for lead in glass or ceramic components

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ANNEX

Annex III to Directive 2011/65/EU is amended as follows:

(1) points 7(c)-I and 7(c)-II are replaced by the following:

| '7(c)-I | Electrical and electronic components containing lead | * * |
|---------|---|------------------------|
| | in a glass or ceramic other than dielectric ceramic in | categories and expires |
| | capacitors, e.g. piezoelectronic devices, or in a glass | on 31 December 2026. |
| | or ceramic matrix compound | |
| | | |
| 7(c)-II | Lead in dielectric ceramic in capacitors for a rated | Applies to all |
| /(0) 11 | voltage of 125 V AC or 250 V DC or higher | categories and expires |
| | excluding applications covered by point 7(c)-I or | on 31 December |
| | 7(c)-IV. | 2027.'; |
| | | |
| | | |

(2) the following points 7(c)-V and 7(c)-VI are added:

| in of 1) be w si 2) ar 3) w | Electrical and electronic components containing lead in a glass or glass matrix compound that fulfils any of the following functions:) for protection and electrical insulation in glass leads of high-voltage diodes and glass layers for vafers on the basis of a lead-zinc-borate or a lead-ilica-borate glass body; c) for hermetic sealing between ceramic, metal ind/or glass parts; | Applies to all categories and expires on 31 December 2027. |
|--------------------------------------|---|--|
| be w si 2) ar 3) w | peads of high-voltage diodes and glass layers for vafers on the basis of a lead-zinc-borate or a lead-ilica-borate glass body; (b) for hermetic sealing between ceramic, metal | |
| 3) w | · | |
| w | | |
| | f) for bonding purposes in a process parameter vindow for < 500 °C combined with a viscosity of 013.3 dPas ('glass-transition temperature'); | |
| re | e) for use as a resistive material such as ink, with a esistivity range from 1 ohm/square to 1 negohm/square, excluding trimmer potentiometers; | |
| m m | f) for use in chemically modified glass surfaces for nicrochannel plates (MCPs), channel electron nultipliers (CEMs) and resistive glass products RGPs). | |
| in fu 7(c)- v1 in fu 7(c) of | Electrical and electronic components containing lead in a ceramic that fulfils any of the following functions (excluding items covered by points 7(c)-II, 1(c)-III and 7(c)-IV of this Annex as well as point 14 of Annex IV): 1) for use in piezoelectric lead zirconium titanate | Applies to all categories and expires on 31 December 2027. |

| coefficient (PTC).'. | |
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