



EXTE-Extrudertechnik GmbH * Wasserfuhr 4 * 51688 Wipperfürth

To whom
it may concern

Unser Zeichen: **Herr Reiner Görlach**
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Declaration of Safety

RG

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Dear Sirs,,

We refer to your phone call of today and would like to comment as follows on your questions regarding the safe use of plastic spacers (AL / ASK / AS / KAS / UNI) for the side and lower reinforcement of concrete floors and walls.

It is state of the art to use spacers in the design we offer them for the production of concrete floors and walls. When installed correctly, the spacers provide an absolutely safe distance between the reinforcement and formwork. The injection moulded articles produced from HD-PE granulate (e.g. RSR (PE), AS, ASK, ASKP, KAS, MP, PN, RK, RST, SK, ST, and UNI) shrink and do not swell and are resistant to frost. Under mechanical loading merely the impact strength decreases at high below-zero temperatures. Although polyethylene (PE) is inflammable, it is completely safe as regards the production of toxic substances.

According to the german standard DIN 4102, Part 4, Annex B, section 3.1, common spacers, including those made of plastic, do not reduce the fire-resistance period of the components. Therefore, special requirements do not need to be placed on the material of the spacers in terms of fire protection.



It can also be confirmed that polyethylene (PE) is absolutely asbestos-free and does not contain PCBs or formaldehyde. Any effects of the plastic spacers in the installed condition, e.g. formation of cracks in the concrete or other phenomena, have so far not been observed or proven.

Spacers in the form and quality we offer have been marketed for many years by the building materials trade and specialised trade outlets throughout the world. Millions of installed metres and articles speak in favour of their safe use.

We hope that this information will be helpful to you and remain,

Kind regards

EXTE Extrudertechnik GmbH


ppa. Reiner Görlach
(General Sales Manager)