Nevoga GmbH
Znaimerstrasse 4
83395 Freilassing
Germany

Re: ‘Oktagon PLUS’ plastic spacers – contact with chlorinated water

Dear Mr Ostermeier,
I refer to your query regarding the suitability of ‘Oktagon PLUS’ spacers for use in the construction of a swimming pool and their resulting contact with chlorinated pool water.

‘Oktagon PLUS’ spacers are made from a type of polypropylene with a high molecular weight that is characterised by very good mechanical properties and good chemical resistance. The material is therefore also used in large pipes for sewage management purposes.

Polypropylene plastic generally displays very good resistance to aqueous media. Regarding its resistance to chlorinated media: the material displays good resistance to sodium hypochlorite solutions (up to 12.5% chlorine content = 125g free chlorine per litre).

The chlorine concentration encountered in the basin water of a swimming pool is between 0.3 mg/litre and a maximum of 1.2 mg/litre (UBA recommendation: hygiene requirements of baths and their surveillance). It can therefore be assumed that ‘Oktagon PLUS’ spacers are resistant to contact with chlorinated water and are not impaired in their function as an anchoring aid or tie point. This also applies – in the course of targeted disinfection and basin cleaning activities – to any possible temporary contact of a limited duration with higher chlorine concentrations.

(Unterschrift)
Mag. Elisabeth Novak