



**Cleaning Advice**  
**for care of ceramic linings**  
**in swimming pools**

**STEULER-KCH POOL CONSTRUCTION**

Swimming pools have to be in a hygienically immaculate condition. Therefore, an optimal cleaning has to be ensured.

In order to maintain your enjoyment of the chosen coating system, with regard to its appearance and capability for as long as possible, we would like to give the following cleaning recommendations:

1. During each cleaning of the ceramic lining, inevitably the joints are also involved. Depending on the surface characteristic of the ceramic tiles (glazed, unglazed, special surface structure) and thus the differently adhering soilings, the cleaning requirements may differ, so that the cement joints are stressed in different extent.

2. In order to obtain hygienically immaculate conditions, various cleaning agents are offered on the market. Acc. to their pH-value, they can be subdivided into 3 groups:

Acid cleaning agents - ph-value approx. 1 - 6  
Neutral cleaning agents - ph-value approx. 6 – 8  
Alkaline cleaning agents - ph-value approx. 8– 14

Within these groups, the chemical composition of the cleaning agents varies considerable, so that the cement joints are stressed differently during cleaning. Cleaning agents containing organic solvents or oxidants may attack the cement joints and therefore are not recommended.

3. The table below shows the different application fields and the suitability of the cleaning agents.

We recommend to observe strictly the cleaning instructions of the cleaning agent producers and to use agents as harmless as possible to ensure a long durability and to protect the environment.

Never use the cleaning agent in undiluted form or in a higher concentration than recommended.

Do not exceed the recommended residence time; never allow to react over night. Non-observance of these remarks may soften the cement joint.

A thorough rinsing afterwards with clear water is imperative.

Before the first cleaning after termination of the tile lining, a minimum waiting time of 5 days (at 20° C) is to be observed.

4. Due to the fact that the composition of the cleaning agents vary considerably and therefore cause different stress, we cannot consider globally all available cleaning agents as suitable. However, based on our laboratory tests and long-term experiences we can recommend exemplarily the following products as suitable if the cleaning instructions of the manufacturers are observed:

- |                             |                   |
|-----------------------------|-------------------|
| a) Acid cleaning agents     |                   |
| - Segil 2000                | Henkel-Ecolab     |
| - Tasanit                   | Tana-Chemie       |
| - Lavonet C                 | Tana Chemie       |
| b) alkaline cleaning agents |                   |
| iMi forte                   | Henkel-Ecolab     |
| Bäderreiniger neutral       | Dr. Nüsken Chemie |
| AZ 70 C                     | Tana Chemie       |

The mentioned cleaning agents have been field-tested by us, this is however not an exhaustive list. Other available cleaning agents may also be suitable.

Field of application	Sort of soiling	Cleaning agent
Pool borders, Bare foot area	Calcifications Skin grease, Skin particles	Acid cleaner Alkaline cleaner
Shower rooms	Skin grease, Skin particles Calcifications, Lime soap	Acid cleaner Alkaline cleaner
Toilets	Bottom: Skin residues, Grease deposits	Acid cleaner
	Calcifications	Alkaline cleaner

Note: A variation of acid and alkaline cleaners is advisable.

5. In addition to the described use of cleaning agents, also the use of appropriate devices, tools and machines for cleaning is important. For application of the cleaning agents, Foam-Cleaning-Devices can be used. For a mechanical support of the cleaning effect, besides brooms, mops and rubber slides also One-disc-machines with soft brushes are appropriate. For glass and small-sized mosaics do not use High-Pressure-cleaners. Vapour-stream-devices should not be used due to a possible damage of the cement joint.

6. In addition to the cleaning agents, in swimming pools also sanitising agents are used. Here, the same remarks and requirements are applicable. Due to our laboratory tests and long-term experiences we can recommend exemplarily the following products if the application instructions of the manufacturers are observed:

- |                 |               |
|-----------------|---------------|
| - Incidin extra | Henkel-Ecolab |
| - Incidin plus  | Henkel-Ecolab |
| - Apesin AP3    | Tana-Chemie   |
| - Apesin AP300  | Tana-Chemie   |

***For further technical questions, please contact our department Pool Construction,  
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