

Case Study: Swimming pool with anti-slip steps and walls

Project of:

K.IM.S. Poolbau GmbH
www.kims-poolbau.de

Experience in the sector: 15-20 years

Experience with Paneltim: 1-5 years



SWIMMINGPOOLS
WHIRLPOOLS
SWIMSPA'S

Project

To construct a swimming pool with Paneltim® Antislip panels with orange peel structure.

Location

Ralbitz-Rosenthal - Germany (DE)

Year

2018

Installation time

4 days

Dimensions

4600 x 2400 x 1250 mm (LxWxH)

Challenge

Pilot project

Product

Paneltim® Antislip - orange peel
Paneltim® Multipower

Material

PP Copo

Thickness

50 mm

Dimensions

1.200 x 1.000 mm

Internal cells

50 x 50 mm

Paneltim has recently started offering anti-slip panels with orange peel structure. This orange peel structure has a very strong anti-slip effect (R10 according to DIN 51130 standard and B according to DIN 51097 standard), which makes the panels extremely suitable for the swimming pool sector. K.IM.S. GmbH built a swimming pool with Paneltim® Multipower and the new Paneltim® Antislip panel for a project in Germany.

Aesthetically attractive panels

Aesthetics are very important when building a swimming pool. K.IM.S. decided to make the entire pool with the new panels. An unexpected advantage came to light: the orange peel structure makes the internal hollow cell structure shine through less than with the smooth panels. This gives the walls a "warm" effect. "The panels have a strong anti-slip effect and the structure gives the panels a noble appearance. This provides new opportunities in the market," says Christian Wosky (K.IM.S.).

Modular construction and fast assembly

"The individual segments can be welded on site to form a complete component. In addition, the panels are always straight, unlike solid plastic sheets. This allowed us to quite easily make the entire pool with Paneltim® panels. Welding the hollow Paneltim® panels is also much faster than with alternative products."

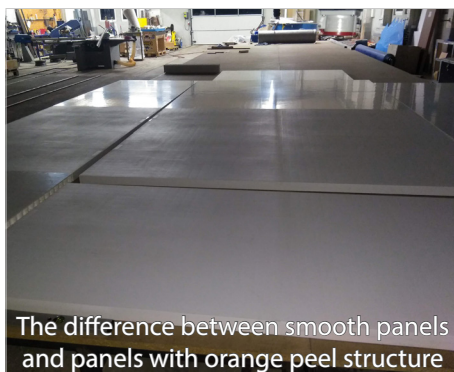
Moreover, the strong and watertight welded joints between the panels are hardly visible. Another advantage is that Paneltim® panels - especially in comparison with concrete - are insulating thanks to the internal structure. As a result, no or little extra insulation material is required.

Also pleasant on bare feet

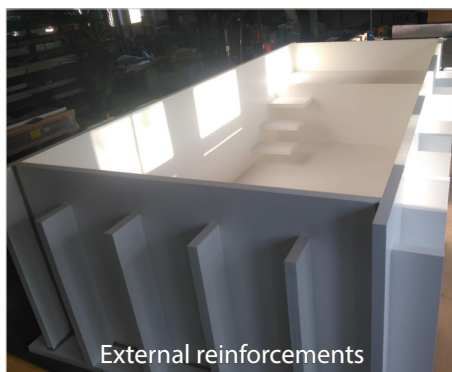
The orange peel structure has good anti-slip qualities when walking barefoot or even with shoes. Hence, K.IM.S. also made the steps and the floor with it. The panels also feel pleasant when you walk over them with bare feet.

Optimal hygiene

Extensive tests have shown that the Paneltim® panels with orange peel structure are simple to clean. In this way they make optimum hygiene possible.



The difference between smooth panels and panels with orange peel structure



External reinforcements



Ready for transport

